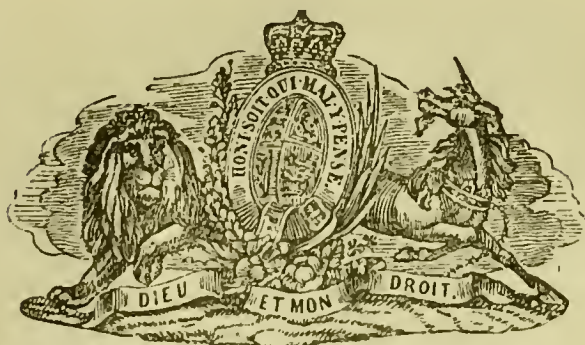


FOURTEENTH
Edinburgh
 ANNUAL REPORT
 OF THE
 REGISTRAR-GENERAL
 ON THE
 BIRTHS, DEATHS, AND MARRIAGES
 REGISTERED IN
 SCOTLAND
 DURING THE
 YEAR 1868;
 AND
 FOURTH ANNUAL REPORT
 ON
 VACCINATION.

Presented to both Houses of Parliament by Command of Her Majesty.



EDINBURGH:
 PRINTED BY MURRAY AND GIBB,
 FOR HER MAJESTY'S STATIONERY OFFICE.
 1869.



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REPORT.

TO THE
RIGHT HON^{BLE}. H. AUSTIN BRUCE, M.P.,
Her Majesty's Principal Secretary of State for the Home Department.

GENERAL REGISTRY OFFICE OF BIRTHS, ETC.,
EDINBURGH, *March 9, 1869.*

SIR,

IN conformity with the Seventh Section of the Scottish Registration Act (17° and 18° Vict. c. 80), I have the honour to submit to you a General Abstract of the Births, Deaths, and Marriages registered in Scotland during the year 1868, in order that the same may be laid before Parliament.

As in last year's Report, I have directed that this Abstract should be accompanied by a short explanatory statement as to the health of the population during the year, the diseases which were prevalent, and some of the causes which seemed to affect the proportion of Births, Deaths, and Marriages.

Being desirous of doing all in my power to aid the authorities in acquiring just views on vital statistics, so far as they bear on sanitary inquiries, I directed that the explanatory statement and tables appended to this Report, besides showing the proportion of Births, Deaths, and Marriages in the Town and Rural Districts, should also give an analysis of the Town Districts, so as to point out the varying proportions of Births, Deaths, and Marriages in the towns of Scotland, when divided into three classes according

to their population. This analysis indicates the remarkable fact, that just in proportion to the size of the town is the annual proportion of its Births, Deaths, and Marriages; that, as a general rule, the larger the town is, the greater is the proportion of its Births, Deaths, and Marriages; and that, as the towns get smaller, the proportions of each and all of these diminish till they merge in the low proportion peculiar to the Rural Districts.

Agreeably also to the Nineteenth Section of the Scottish Vaccination Act (26° and 27° Vict. c. 108), and in accordance with the arrangements referred to in my First Annual Report on Vaccination, I have the honour to submit to you my Fourth Annual Report on Vaccination, containing a general abstract of the number of children born during 1867 who have been successfully vaccinated, the number whose vaccination was postponed, and other particulars required by that Statute.

The success of the Scottish Vaccination Act may be said to have been complete, inasmuch as upwards of 97 per cent. of the surviving children of 1867 have either been vaccinated or otherwise accounted for under the provisions of the Statute. Never since the Registration Act came into operation, nor within the memory of man, has Small-pox been so rare in Scotland as during the past year, when the number of Deaths from that disease is believed to have been under 25.

I have honour to be,

SIR,

Your obedient Servant,

W. PITT DUNDAS,

Registrar-General.

REPORT TO THE REGISTRAR-GENERAL,

BY JAMES STARK, M.D., F.R.S.E.

SIR,

THIS Report refers to the Births, Deaths, and Marriages registered during the year 1868 in the 1018 districts into which Scotland was that year divided for the purposes of registration, and also to the vaccination of the children whose births were recorded during the year 1867.

115673 Births, 69386 Deaths, and 21853 Marriages were registered in Scotland during the year 1868; and when these numbers are compared with the estimated population, it appears that the proportion of births considerably exceeded the average of the ten previous years, while that of the deaths and marriages fell below it.

BIRTHS.

115673 Births were registered in Scotland during the year 1868, being the largest annual number of births ever entered on the Scottish Registers. Since the beginning of 1863, the number of marriages, and their proportion to the population, largely increased; and the influence which an increasing proportion of marriages has on the population is now very perceptible in the annually increasing number of births entered in the Registers, and in the proportion of births to the population. During the ten previous years the birth-rate was in the proportion of 352 births in every ten thousand persons of the estimated population, or 3·52 per cent.;

TABLE I.—Population of Scotland, estimated to the middle of each year; Births, Deaths, and Marriages registered during each year from 1855 to 1868 inclusive; the Illegitimate Births, and the excess of Births over Deaths; also the per-centage of Births, Deaths, and Marriages to the Population.

| YEAR. | Population estimated to the Middle of each Year. | BIRTHS. | | DEATHS. | MAR-RIAGES. | Excess of Births over Deaths. | Proportion to every 100 Persons living. | | |
|-------|--|---------|----------|---------|-------------|-------------------------------|---|---------|------------|
| | | Total. | Illegit. | | | | Births. | Deaths. | Marriages. |
| 1855 | 2,978,065 | 93,349 | 7,357 | 62,004 | 19,680 | 31,345 | 3·134 | 2·082 | 0·660 |
| 1856 | 2,995,771 | 101,821 | 8,695 | 58,529 | 20,740 | 42,291 | 3·395 | 1·953 | 0·692 |
| 1857 | 3,012,310 | 103,415 | 8,859 | 61,906 | 21,369 | 41,509 | 3·433 | 2·055 | 0·769 |
| 1858 | 3,027,665 | 104,018 | 9,354 | 63,539 | 19,655 | 40,479 | 3·435 | 2·093 | 0·649 |
| 1859 | 3,041,812 | 106,543 | 9,715 | 61,714 | 21,201 | 44,829 | 3·502 | 2·028 | 0·697 |
| 1860 | 3,054,738 | 105,629 | 9,736 | 68,170 | 21,225 | 37,459 | 3·457 | 2·231 | 0·695 |
| 1861 | 3,066,633 | 107,009 | 9,929 | 62,341 | 20,896 | 44,668 | 3·484 | 2·032 | 0·681 |
| 1862 | 3,083,989 | 107,069 | 10,376 | 67,195 | 20,597 | 39,874 | 3·471 | 2·178 | 0·667 |
| 1863 | 3,101,345 | 109,341 | 10,948 | 71,481 | 22,234 | 37,860 | 3·525 | 2·305 | 0·716 |
| 1864 | 3,118,701 | 112,445 | 11,197 | 74,303 | 22,675 | 38,142 | 3·602 | 2·382 | 0·727 |
| 1865 | 3,136,057 | 113,126 | 11,262 | 70,821 | 23,577 | 42,305 | 3·607 | 2·258 | 0·751 |
| 1866 | 3,153,413 | 113,639 | 11,560 | 71,273 | 23,629 | 42,366 | 3·603 | 2·260 | 0·749 |
| 1867 | 3,170,769 | 114,115 | 11,912 | 69,024 | 22,521 | 45,091 | 3·595 | 2·145 | 0·707 |
| 1868 | 3,188,125 | 115,673 | 11,266 | 69,386 | 21,853 | 46,287 | 3·628 | 2·176 | 0·685 |

but during the past year the proportion was 362 births in every ten thousand, or 3·62 per cent.—the highest birth-rate ever noticed in Scotland.

Of 115673 births, 69118 were registered in the 128 Town Districts (which embrace all the towns with populations of 3000 and upwards at the census of 1861), while only 46555 births were entered on the Registers of

TABLE II.—Number of Births, Deaths, and Marriages in Scotland, and their Proportion to the Population, estimated to the middle of each year, during each Quarter of the Years 1858 to 1868 inclusive.

| | 1858. | | 1859. | | 1860. | | 1861. | | 1862. | | 1863. | | 1864. | | 1865. | | 1866. | | 1867. | | Mean per cent Ten Years. | |
|------------------|---------|-----------|---------|-----------|---------|-----------|---------|-----------|---------|-----------|---------|-----------|---------|-----------|---------|-----------|---------|-----------|---------|-----------|--------------------------|-------|
| | No. | Per cent. | No. | Per cent. | No. | Per cent. | No. | Per cent. | No. | Per cent. | No. | Per cent. | No. | Per cent. | No. | Per cent. | No. | Per cent. | No. | Per cent. | | |
| FIRST QUARTER. | | | | | | | | | | | | | | | | | | | | | | |
| Births, ----- | 26022 | 3·45 | 25988 | 3·42 | 27118 | 3·55 | 25400 | 3·30 | 27089 | 3·51 | 26733 | 3·44 | 28177 | 3·61 | 28608 | 3·65 | 28876 | 3·66 | 27969 | 3·52 | 3·51 | |
| Deaths, ----- | 17321 | 2·29 | 17102 | 2·25 | 20223 | 2·65 | 17944 | 2·33 | 19420 | 2·51 | 19229 | 2·47 | 22576 | 2·89 | 20786 | 2·65 | 19075 | 2·42 | 19981 | 2·51 | 2·49 | |
| Marriages, ----- | 4486 | 0·59 | 4890 | 0·64 | 4802 | 0·63 | 4636 | 0·61 | 4763 | 0·62 | 5126 | 0·66 | 5333 | 0·68 | 5407 | 0·69 | 5627 | 0·71 | 5332 | 0·66 | 0·65 | |
| Mean Temperat. | | 38°·2 | | 41°·0 | | 36°·0 | | 38°·9 | | 38°·8 | | 40°·9 | | 35°·7 | | 35°·3 | | 38°·0 | | 36°·5 | | 37°·9 |
| SECOND QUARTER. | | | | | | | | | | | | | | | | | | | | | | |
| Births, ----- | 27846 | 3·69 | 28510 | 3·76 | 28292 | 3·71 | 29200 | 3·80 | 28728 | 3·73 | 29655 | 3·82 | 29992 | 3·84 | 30332 | 3·86 | 29801 | 3·78 | 30393 | 3·83 | 3·78 | |
| Deaths, ----- | 15657 | 2·07 | 15653 | 2·06 | 18182 | 2·38 | 15947 | 2·07 | 17385 | 2·25 | 17963 | 2·31 | 18445 | 2·36 | 17066 | 2·17 | 18556 | 2·35 | 17464 | 2·20 | 2·22 | |
| Marriages, ----- | 4927 | 0·65 | 5150 | 0·67 | 5329 | 0·69 | 5327 | 0·69 | 5185 | 0·67 | 5594 | 0·71 | 5710 | 0·73 | 5698 | 0·72 | 6019 | 0·76 | 5602 | 0·70 | 0·69 | |
| Mean Temperat. | | 50°·7 | | 50°·1 | | 48°·2 | | 50°·6 | | 49°·4 | | 49°·0 | | 49°·9 | | 51°·5 | | 49°·3 | | 49°·0 | | 49°·7 |
| THIRD QUARTER. | | | | | | | | | | | | | | | | | | | | | | |
| Births, ----- | 24905 | 3·30 | 25956 | 3·42 | 24914 | 3·26 | 26146 | 3·41 | 25783 | 3·34 | 26366 | 3·40 | 27063 | 3·47 | 27320 | 3·48 | 27197 | 3·45 | 27888 | 3·51 | 3·40 | |
| Deaths, ----- | 14012 | 1·85 | 13340 | 1·76 | 13875 | 1·82 | 13415 | 1·74 | 14235 | 1·84 | 16273 | 2·09 | 16131 | 2·06 | 15907 | 2·02 | 15451 | 1·95 | 15106 | 1·90 | 1·90 | |
| Marriages, ----- | 4081 | 0·54 | 4626 | 0·61 | 4514 | 0·59 | 4480 | 0·59 | 4570 | 0·59 | 4900 | 0·62 | 4993 | 0·64 | 5335 | 0·68 | 5089 | 0·64 | 5047 | 0·63 | 0·61 | |
| Mean Temperat. | | 56°·1 | | 56°·4 | | 53°·9 | | 56°·0 | | 54°·4 | | 53°·9 | | 54°·5 | | 57°·5 | | 54°·4 | | 55°·2 | | 55°·3 |
| FOURTH QUARTER. | | | | | | | | | | | | | | | | | | | | | | |
| Births, ----- | 25245 | 3·34 | 26089 | 3·44 | 25305 | 3·31 | 26263 | 3·42 | 25469 | 3·30 | 26587 | 3·42 | 27213 | 3·49 | 26866 | 3·42 | 27765 | 3·52 | 27865 | 3·51 | 3·41 | |
| Deaths, ----- | 16549 | 2·19 | 15619 | 2·06 | 15890 | 2·08 | 15035 | 1·95 | 16155 | 2·09 | 18016 | 2·32 | 17151 | 2·19 | 17072 | 2·17 | 18191 | 2·30 | 16473 | 2·07 | 2·14 | |
| Marriages, ----- | 6161 | 0·81 | 6535 | 0·86 | 6580 | 0·86 | 6453 | 0·84 | 6079 | 0·78 | 6614 | 0·84 | 6639 | 0·85 | 7137 | 0·91 | 6894 | 0·87 | 6540 | 0·82 | 0·84 | |
| Mean Temperat. | | 41°·4 | | 39°·7 | | 39°·7 | | 42°·0 | | 42°·0 | | 43°·6 | | 42°·0 | | 43°·4 | | 43°·5 | | 42°·3 | | 41°·9 |
| YEAR. | | | | | | | | | | | | | | | | | | | | | | |
| Population, ... | 3027665 | | 3041812 | | 3054738 | | 3066632 | | 3083989 | | 3101345 | | 3118701 | | 3136057 | | 3153413 | | 3170769 | | ... | |
| Births, ----- | 104018 | 3·44 | 106543 | 3·50 | 105629 | 3·46 | 107009 | 3·48 | 107069 | 3·47 | 109341 | 3·52 | 112445 | 3·60 | 113126 | 3·60 | 113639 | 3·60 | 114115 | 3·59 | 3·52 | |
| Deaths, ----- | 63539 | 2·10 | 61714 | 2·03 | 68170 | 2·23 | 62341 | 2·03 | 67195 | 2·17 | 71481 | 2·30 | 74303 | 2·38 | 70821 | 2·25 | 71273 | 2·26 | 69024 | 2·14 | 2·19 | |
| Marriages, ----- | 19655 | 0·65 | 21201 | 0·69 | 21225 | 0·69 | 20896 | 0·68 | 20597 | 0·66 | 22234 | 0·71 | 22675 | 0·72 | 23577 | 0·75 | 23629 | 0·75 | 22521 | 0·70 | 0·70 | |

the 890 Rural Districts, which embrace the remainder of the population of Scotland. This indicates a birth-rate equal to 398 births in every ten thousand persons, or 3·98 per cent. for the Town Districts; but only 320 births in every ten thousand persons, or 3·20 per cent. for the Rural Districts.

As it is, however, very desirable to show the close connection which exists between the proportion of births, deaths, and marriages in the different masses of the population, the Town Districts have been subdivided into three sections:—1st, the Eight Principal Towns, which have each above 20,000 inhabitants; 2d, the large towns, or those which have respectively from 10,000 to 20,000 inhabitants; and 3d, the small towns, viz. those which contain from 3,000 to 10,000 inhabitants. (Table V.)

Now, it is a very remarkable fact, that just in proportion to the number of inhabitants massed together is the proportion of births, deaths, and marriages, as exhibited by this analysis of the vital statistics of Scotland for 1868. The greater the population of the town, the greater is the number and proportion of the births, of the deaths, and of the marriages, which all maintain a ratio to each other in the different divisions. Thus, take the proportion of births: it was 4·12 per cent. in the Eight Principal Towns, 3·94 per cent. in the large towns, 3·73 in the small towns, and 3·20 in

TABLE III.—Estimated Population, with the BIRTHS, DEATHS, and MARRIAGES registered in each of the Eight Divisions of Scotland during the Year 1868, and their proportion to the Population.

| DIVISIONS. | Population estimated to middle of year. | BIRTHS. | | DEATHS. | | MARRIAGES. | |
|-------------------------|--|---------|--------------|---------|--------------|------------|--------------|
| | | Number. | Per Cent. | Number. | Per Cent. | Number. | Per Cent. |
| Northern | 132,879 | 3276 | 2·46 | 1802 | 1·35 | 559 | 0·42 |
| North-Western | 161,239 | 4554 | 2·82 | 2550 | 1·57 | 702 | 0·43 |
| North-Eastern | 380,130 | 12931 | 3·40 | 6633 | 1·74 | 2438 | 0·64 |
| East Midland | 529,519 | 18624 | 3·51 | 11003 | 2·07 | 3501 | 0·66 |
| West Midland | 243,275 | 8213 | 3·37 | 5044 | 2·07 | 1373 | 0·56 |
| South-Western | 1,100,447 | 45087 | 4·09 | 28657 | 2·60 | 8559 | 0·77 |
| South-Eastern | 427,623 | 16321 | 3·81 | 9640 | 2·25 | 3533 | 0·82 |
| Southern | 213,013 | 6667 | 3·12 | 4057 | 1·94 | 1188 | 0·55 |

TABLE IV.—Births, Illegitimate Births, Deaths, and Marriages in the Town and Rural Districts of Scotland in 1868, distinguishing the Sexes.

| | ESTIMATED POPULATION, 1868. | | | TOTAL BIRTHS. | | | ILLEGIT. BIRTHS. | DEATHS. | | | MAR- RIAGES. |
|-------------------------|--------------------------------|-----------|----------------|------------------|-------|----------------|---------------------|---------|-------|----------------|-----------------|
| | Males. | Females | Both Sexes. | Males. | Fem. | Both Sexes. | | Males. | Fem. | Both Sexes. | |
| Eight Principal Towns . | 440623 | 517136 | 957759 | 20277 | 19228 | 39505 | 3839 | 14140 | 13882 | 28022 | 8611 |
| Large Towns* | 127878 | 144962 | 272840 | 5466 | 5299 | 10765 | 884 | 3361 | 3323 | 6684 | 2100 |
| Small Towns* | 238769 | 266159 | 504928 | 9727 | 9121 | 18848 | 1761 | 5456 | 5540 | 10996 | 3335 |
| Total Town Districts . | 807270 | 928257 | 1,735,527 | 35470 | 33648 | 69118 | 6484 | 22957 | 22745 | 45702 | 14046 |
| Rural Districts | 696496 | 756102 | 1,452,598 | 23905 | 22650 | 46555 | 4782 | 11716 | 11968 | 23684 | 7817 |
| SCOTLAND | 1,503,766 | 1,684,359 | 3,188,125 | 59375 | 56298 | 115673 | 11266 | 34673 | 34713 | 69386 | 21853 |

* The Large Towns have Populations from 10,000 to 20,000 persons. The Small Towns have Populations from 3,000 to 10,000.

the Rural Districts. And, to correspond with these, the proportion of deaths was 2·92 per cent. in the Eight Principal Towns, 2·45 in the large towns, 2·17 in the small towns, and 1·58 in the Rural Districts. The marriages accurately corresponded to these proportions, being at the rate of 0·88 per cent. in the Eight Principal Towns, 0·77 per cent. in the large towns, 0·66 per cent. in the small towns, and 0·53 per cent. in the Rural Districts.

These striking facts prove, that just in proportion to the massing together of human beings in one place is the candle of life more quickly burnt out. But to provide for this, there is a higher proportion of marriages, and a higher proportion of births. This may be regarded as an established law in vital statistics.

The proportion of births in each of the eight divisions into which the counties of Scotland are grouped corroborates the above conclusion, being lowest where the population is most scattered, and highest where the population is most crowded. Thus, in the Northern Division (Table III.) only 2·46 per cent. of births occurred, and in the North-Western 2·82 per cent.; but in the South-Eastern Division the birth-rate was in the proportion of 3·81 per cent., and in the great manufacturing and mining South-Western Division, 4·09 per cent. of births occurred.

Of the 115673 births, 104407 were legitimate, and 11266 were illegitimate,—indicating that 9·7 per cent. of the births were illegitimate. As usual, the proportion of illegitimate births was greatest in the Rural Districts, least in the towns; for, while only 9·3 of the births were illegitimate in the Town Districts, 10·2 per cent. were illegitimate in the Rural Districts.

Table VI. shows the proportion of illegitimate births in the several divisions and counties of Scotland, and generally accords with the returns of former years. Thus, while the lowest proportion of illegitimate births is in the North-Western and Northern Divisions, respectively 6·1 and 6·3 per cent., the highest proportion is in the North-Eastern Division, viz. 15·2 per cent., and the next highest in the Southern Division, viz. 14·8 per cent. Three counties had under 5 per cent. of illegitimate births, viz. Shetland 4·1, Orkney 4·8, and Ross and Cromarty 4·5; while seven counties had above 12 per cent., viz. Elgin 13·9, Aberdeen 15·1, Kincardine 15·3, Dumfries, 15·4, Wigtown 16·4, Banff 17·1, and Kirkcudbright 17·3.

TABLE V.--Per-centage and Proportion of Births, Deaths, and Marriages to the Population in the Town and Rural Districts of Scotland in 1868; also the Per-centage of Illegitimate to Total Births.

| | Per-centage to Population. | | | | | | | Per-cent. of Illegit. to Total Births. | Proportion to Population. | | | | | | |
|-----------------------|----------------------------|------|---------------|---------|------|---------------|------------|---|---------------------------|------|--------------|-------------------------|------|---------------|----------------------------|
| | Births. | | | Deaths. | | | Marriages. | | Births, One to every. | | | Deaths, One to every | | | Marriages, One to every |
| | Mal. | Fem. | Both Sexs. | Mal. | Fem | Both Sexs. | | | Mal. | Fem. | Both Sexs | Mal. | Fem. | Both Sexs. | |
| 8 Principal Towns . | 4·60 | 3·71 | 4·12 | 3·21 | 2·68 | 2·92 | 0·88 | 9·7 | 21 | 26 | 24 | 31 | 37 | 34 | 111 |
| Large Towns . . | 4·27 | 3·65 | 3·94 | 2·61 | 2·29 | 2·45 | 0·77 | 8·2 | 23 | 27 | 25 | 37 | 43 | 40 | 129 |
| Small Towns . . | 4·07 | 3·42 | 3·73 | 2·28 | 2·08 | 2·17 | 0·66 | 9·3 | 24 | 29 | 26 | 43 | 48 | 46 | 151 |
| Total 128 Town Dists. | 4·38 | 3·62 | 3·98 | 2·84 | 2·45 | 2·63 | 0·81 | 9·3 | 22 | 27 | 25 | 35 | 41 | 38 | 123 |
| 890 Rural Districts . | 3·43 | 2·99 | 3·20 | 1·68 | 1·58 | 1·63 | 0·53 | 10·2 | 29 | 33 | 31 | 59 | 63 | 60 | 185 |
| SCOTLAND . | 3·94 | 3·34 | 3·63 | 2·35 | 2·06 | 2·17 | 0·68 | 9·7 | 25 | 29 | 27 | 43 | 48 | 46 | 146 |

Of the children born during the year, 59375 were boys and 56298 girls, showing that the proportion of the sexes at birth was 105·4 boys to every 100 girls.

The greatest daily number of births occurred during the months of April, May, and June, when they ranged from 337 to 345 daily; the lowest number of births occurred during November and December, when they respectively averaged 285 and 301 daily. (Table XIV.)

DEATHS.

69386 Deaths were registered in Scotland during the year 1868, being in the proportion of 217 deaths in every ten thousand persons of the population, or 2·17 per cent. The average death-rate of the ten previous years was 2·19 per cent., so that the mortality of the year 1868 was below the Scottish mean.

The mean English death-rate is considerably higher than that of Scotland, averaging 225 deaths in every ten thousand persons, or 2·25 per cent. But during the year 1868 the English death-rate was in the proportion of 222 deaths in every ten thousand persons, or 2·22 per cent., so that it also was below its own average, though much above the average of Scotland.

It ought, however, to be remembered by those who are disposed to compare either the birth or the death-rate in the two countries as appearing on the Registers, that allowance ought to be made for those cases which escape registration altogether in England. What ought to be the amount of this allowance it is impossible to state; but as it appears from the estimate of the Census Commissioners of England for 1861, that no fewer than 35950 births annually escaped registration in that country between the years 1851 and 1861, the same disturbing cause may, and probably does, exist in the case of the deaths, and it will operate most extensively in the case of the large towns and of young children. If this supposition is correct, the existence in Scotland of a penalty as a means of enforcing registration may account for the better fulfilment of the provisions of the Registration Act.

Two facts may be stated which tend to show that a considerable proportion of the town deaths in England escape registration:—1st, the English death-rate is higher than that of Scotland, therefore it is only reasonable to expect that the mortality in her towns will be higher also, and that in the same ratio as the English deaths exceed those of Scotland;

TABLE VI.—Proportion of Illegitimate to every 100 Births in Scotland, its Divisions and Counties, during 1868.

| DIVISIONS. | Per Cent. of Illegit. | Counties. | Per Cent. of Illegit. | Counties. | Per Cent. of Illegit. | Counties. | Per Cent. of Illegit. |
|-------------------|-----------------------------|------------------|-----------------------------|----------------|-----------------------------|-----------------|-----------------------------|
| SCOTLAND. | 9·7 | | | | | | |
| NORTHERN DIVISION | 6·3 | Shetland | 4·1 | Forfar | 11·7 | Lanark | 8·6 |
| NORTH-WESTERN Do. | 6·1 | Orkney | 4·8 | Perth | 10·9 | Linlithgow..... | 7·6 |
| NORTH-EASTERN Do. | 15·2 | Caithness | 8·2 | Fife | 8·1 | Edinburgh | 8·6 |
| EAST-MIDLAND Do. | 10·4 | Sutherland | 7·6 | Kinross | 10·2 | Haddington | 8·5 |
| WEST-MIDLAND Do. | 7·5 | Ross & Cromarty | 4·5 | Clackmannan | 9·5 | Berwick | 11·2 |
| SOUTH-WESTERN Do. | 8·5 | Inverness | 7·5 | Stirling | 7·8 | Peebles | 7·3 |
| SOUTH-EASTERN Do. | 8·6 | Nairn..... | 9·9 | Dumbarton | 6·9 | Selkirk | 8·7 |
| SOUTHERN Do. | 14·8 | Elgin | 13·9 | Argyll..... | 7·4 | Roxburgh | 11·2 |
| | | Banff..... | 17·1 | Bute | 7·1 | Dumfries | 15·4 |
| | | Aberdeen | 15·1 | Renfrew | 7·3 | Kirkeudbright | 17·3 |
| | | Kincardine..... | 15·3 | Ayr | 9·2 | Wigtown..... | 16·4 |

2d, in every country the mortality in the Rural Districts bears a certain ratio to the mortality in the Town Districts, provided the whole number of deaths occurring in each is ascertained. In England the mean annual mortality of the Rural Districts is 2·01 deaths per cent. of population. In Scotland it is only 1·70 deaths per cent. This necessarily implies that the Town Districts of England must have a higher mortality than those of Scotland, and no doubt this would be the case were all the deaths in the English towns registered. The mean mortality of the English Towns is given as 2·45 deaths per cent. of population, while the ascertained mortality of the Scottish Towns is 2·58 deaths per cent.

The Town and Rural Districts of Scotland exhibited a striking difference in the proportion of deaths. Thus, of the 69386 deaths, 45702 occurred in the 128 Town Districts, and 23684 in the Rural Districts, giving an annual proportion of 2·63 deaths in every 100 of the population in the Town Districts, but only 1·63 per cent. in the Rural Districts. (Tables IV., V., and VII.) During the ten previous years, the mean annual death-rate of the Town Districts was 2·58 per cent.; that of the Rural Districts, 1·70 per cent. The mortality in the Town Districts was therefore in excess of the average; that of the Rural Districts much below it. This fact, however, is sufficiently accounted for by the fact, that a great proportion of the Town Districts were ravaged by a severe epidemic of Scarlatina, from which the greater proportion of the Rural Districts were exempt.

In Tables IV. and V. the Town Districts are analyzed, being divided into three classes according to their respective populations, and it is interesting to note, that just in proportion to the size of the town is the mortality,—a fact which of itself proves the correctness and completeness of the statistics. Thus, in the Eight Principal Towns, the mean mortality during the year was 2·92 deaths per cent. of population. In the large towns, with populations from 10,000 to 20,000 persons, the per-centage of deaths was 2·45; in the small towns, with populations from 3,000 to 10,000, the per-centage of deaths was 2·17; while the Rural Districts had a death-rate of 1·63 per cent. Here there was a regularly increasing ratio of deaths proportionate to the mass of human beings crowded together.

TABLE VII.—Annual Rate of Mortality per cent. in the Town and Rural Districts of Scotland, in each Quarter of the Years 1858 to 1868.

| DISTRICTS. | Population enumerated. | | Quarter ending | Annual Rate of Mortality per cent. in each Quarter of the Years | | | | | | | | | | | |
|---|------------------------|-----------|----------------|---|------|------|------|------|------|------|------|------|------|-----------------|------|
| | 1851. | 1861. | | 1858 | 1859 | 1860 | 1861 | 1862 | 1863 | 1864 | 1865 | 1866 | 1867 | Mean Ten Years. | 1868 |
| TOWN DISTRICTS, containing towns of 3000 Inhabitants and upwards. | 1,450,222 | 1,615,475 | March | 2·56 | 2·57 | 3·11 | 2·71 | 2·98 | 2·85 | 3·46 | 3·19 | 2·84 | 2·93 | 2·92 | 2·65 |
| | | | June | 2·37 | 2·23 | 2·70 | 2·44 | 2·61 | 2·71 | 2·77 | 2·61 | 2·76 | 2·59 | 2·58 | 2·52 |
| | | | Sept. | 2·19 | 2·00 | 2·03 | 2·04 | 2·14 | 2·50 | 2·51 | 2·48 | 2·32 | 2·22 | 2·24 | 2·59 |
| | | | Dec. | 2·63 | 2·45 | 2·45 | 2·33 | 2·57 | 2·83 | 2·67 | 2·66 | 2·76 | 2·52 | 2·58 | 2·75 |
| | | | YEAR | 2·43 | 2·25 | 2·57 | 2·41 | 2·56 | 2·72 | 2·85 | 2·74 | 2·67 | 2·58 | 2·58 | 2·63 |
| RURAL DISTRICTS, embracing the remainder of the Population. | 1,438,520 | 1,446,819 | March | 1·92 | 1·78 | 1·96 | 1·42 | 2·05 | 2·06 | 2·25 | 2·03 | 1·93 | 1·75 | 1·91 | 1·79 |
| | | | June | 1·65 | 1·76 | 1·86 | 1·68 | 1·87 | 1·86 | 1·90 | 1·68 | 1·87 | 1·73 | 1·78 | 1·64 |
| | | | Sept. | 1·39 | 1·38 | 1·45 | 1·42 | 1·52 | 1·64 | 1·56 | 1·50 | 1·53 | 1·45 | 1·48 | 1·49 |
| | | | Dec. | 1·60 | 1·52 | 1·53 | 1·55 | 1·56 | 1·75 | 1·66 | 1·63 | 1·77 | 1·55 | 1·61 | 1·59 |
| | | | YEAR | 1·64 | 1·61 | 1·70 | 1·62 | 1·74 | 1·83 | 1·84 | 1·70 | 1·78 | 1·62 | 1·70 | 1·63 |

INCREASE OF THE POPULATION.

In a small country like Scotland, where emigration to England, Ireland, and the continent of Europe, goes on to a large extent, and of which no records can be kept, it is not possible to arrive at even an approximation to the true increase of the population, by deducting the numbers of those who emigrate to the Colonies, or to the States of America, from the excess of births over deaths. Still it may be stated, that the excess of births over deaths amounted during the year to 46287 persons; that of the 196321 persons who emigrated from the ports of Great Britain and Ireland at which there are emigration officers, 64961 were ascertained to be of Irish origin, 58268 English, 51956 Foreigners, 14954 Scottish, while in 6182 the place of birth was not ascertained. If 485 be added to the Scottish emigrants, as their proportion of the persons whose origin was not ascertained, the emigrants from Scotland would amount to 15439 persons, and that number deducted from the excess of births over deaths would leave 30848 as the increase of the population of Scotland during the year, being probably considerably above the actual increase.

MARRIAGES.

21853 Marriages were registered in Scotland during the year 1868, being in the proportion of 68 marriages in every ten thousand persons of the estimated population,—a proportion lower than the average of the ten previous years, when 70 marriages annually occurred in a like population; and very much below the proportion of the five previous years, during which the marriages in Scotland had greatly increased. This does not speak well for the activity of trade and commerce during the past year, seeing that the proportion of marriages affords the best test of the prosperity or dulness of our trades and manufactures.

Of the 21853 marriages, 14046 were contracted in the Town, and 7817 in the Rural Districts; indicating that in every ten thousand persons in each of these, 81 marriages occurred in the Town, but only 53 in the Rural Districts.

When the 128 Town Districts were divided into three groups according to the amount of the population in each town, just as was the case with the births and the deaths, it is found that the larger the town the higher was the proportion of marriages. Thus, in the Eight Principal Towns, marriages occurred in the proportion of 88 in every ten thousand persons; in the large towns 77 marriages occurred in a like population; in the small towns only 66 marriages occurred in a like population; while in the Rural Districts the proportion fell to 53 marriages.

HEALTH OF THE POPULATION.

In so far as the deaths are concerned, the year 1868 may be said to have been a healthy year, with a mortality below the mean; but if the amount of sickness be taken into consideration, we arrive at the conclusion that the first half of the year was unusually healthy, and the latter half of the year just as unusually unhealthy. The unhealthiness of the population during the last two quarters of the year did not, however, increase the mortality of the Rural Districts above the mean; but in the Town Districts the increased amount of sickness largely increased the proportion

of deaths, so that during the last two quarters of the year, the town deaths rose high above their average. This result was attained, not by the prevalence and fatality of one disease, but of many, and even the same disease did not take the lead in adjoining towns. Thus, in one town the leading epidemic was Measles, in another Scarlatina, in another Hooping-cough, in another Diarrhœa, in another Fever. But in all the Town Districts, during the latter half of the year, the mortality from all the diseases was greater than usual, so that the increased mortality could scarcely be attributed to any particular disease.

Continued Fever prevailed largely during 1868. In some places the leading type was Typhus (or Spotted) Fever; in others, the leading type was Enteric (Gastric or Typhoid) Fever. As a general rule, the leading type in the towns was Typhus; while in the country, Enteric Fever greatly preponderated. Scarlatina, in rather a virulent form, prevailed extensively over the country, and added largely to the number of deaths. Hooping-cough and Measles, excepting in particular districts, do not appear to have been more prevalent than usual. The extreme heat of the weather during the months of June, July, and August, caused the ordinary bowel complaints, Diarrhœa, Dysentery, and Cholera to be much more prevalent and fatal than usual; while the very sudden change from weather warmer than usual, to weather much colder than the average of former years, which occurred in the beginning of October, caused all affections of the respiratory organs to be more than usually prevalent and fatal during the latter months of the year.

One fact, however, merits special notice in this place, though it will be commented on at greater length elsewhere, and that is, that Small-pox has been almost unknown in Scotland during 1868. Even including the deaths from Varicella and Vaccinia, it is estimated that the deaths from Small-pox in Scotland during 1868 could not have exceeded 25, and were probably much below that number. Ever since the Vaccination Act was carried fully into operation, the deaths from Small-pox in Scotland have been dwindling down, and growing less from year to year, until the above gratifying result is attained.

The remarks on the weather in Scotland will be delayed until we have completed the review of the mortality in the Eight Principal Towns.

TABLE VIII.—Population of the Eight Principal Towns of Scotland, estimated to the middle of each year, with the number of Births, Deaths, and Marriages, and their proportion to the Population, in each of the years 1855 to 1868 inclusive.

| Years. | Population estimated to the middle of each year. | BIRTHS. | | DEATHS. | | MARRIAGES. | |
|--------|--|---------|--------------------------|---------|--------------------------|------------|--------------------------|
| | | Number. | Per cent. to Population. | Number. | Per cent. to Population. | Number. | Per cent. to Population. |
| 1855 | 826,648 | 28,245 | 3·41 | 22,740 | 2·75 | 6934 | 0·84 |
| 1856 | 836,633 | 31,885 | 3·81 | 22,248 | 2·65 | 7411 | 0·88 |
| 1857 | 846,628 | 32,869 | 3·88 | 23,361 | 2·76 | 7495 | 0·88 |
| 1858 | 856,613 | 32,555 | 3·80 | 23,420 | 2·73 | 6863 | 0·80 |
| 1859 | 866,698 | 33,018 | 3·80 | 22,345 | 2·57 | 7541 | 0·87 |
| 1860 | 876,683 | 32,945 | 3·75 | 26,028 | 2·95 | 7660 | 0·87 |
| 1861 | 886,668 | 34,331 | 3·79 | 23,130 | 2·60 | 7733 | 0·87 |
| 1862 | 897,507 | 34,443 | 3·83 | 24,965 | 2·78 | 7694 | 0·85 |
| 1863 | 907,549 | 35,895 | 3·95 | 27,030 | 2·97 | 8593 | 0·94 |
| 1864 | 917,591 | 37,072 | 4·05 | 28,823 | 3·14 | 8884 | 0·96 |
| 1865 | 927,633 | 38,075 | 4·10 | 28,499 | 3·07 | 9320 | 1·00 |
| 1866 | 937,675 | 38,552 | 4·11 | 27,448 | 2·92 | 9450 | 1·00 |
| 1867 | 947,717 | 39,012 | 4·11 | 26,511 | 2·79 | 8867 | 0·93 |
| 1868 | 957,759 | 39,513 | 4·12 | 28,031 | 2·92 | 8606 | 0·90 |

EIGHT PRINCIPAL TOWNS OF SCOTLAND.

The Registrars of the Eight Principal Towns of Scotland, viz. of Glasgow, Edinburgh, Dundee, Aberdeen, Paisley, Greenock, Leith, and Perth, send to the chief office in Edinburgh weekly returns of the births, deaths, and marriages. These towns are well scattered over the face of the country, and as their united populations amount very nearly to a third of the population of Scotland, and the returns in the case of the deaths specify the age, sex, condition, and cause of death, we can from them form a very good idea of the diseases which are prevailing over the country.

BIRTHS IN THE EIGHT TOWNS.

39513 Births were registered in the Eight Principal Towns of Scotland during the year 1868, being in the very high proportion of 412 births in every ten thousand persons, or 4·12 per cent. This is the highest proportion of births ever attained by the towns of Scotland, and is unquestionably due to the greatly increased proportion of marriages which first manifested itself in 1863, and continued increasing till last year. (Table VIII.)

The birth-rate, however, varied much in the several towns. (Table IX.) Thus, in every ten thousand persons in each of these towns, there were in the proportion of 311 births in Perth, 370 in Paisley, 376 in Edinburgh, 386 in Aberdeen, 419 in Glasgow, 453 in Leith, 457 in Dundee, and 494 in Greenock.

Of the 39513 births, 35679 were legitimate, and 3834 illegitimate, indicating that 9·7 per cent. of the births were illegitimate. The proportion of illegitimate births, however, varied greatly in the several towns. (Table IX.) Thus, in Greenock, only 5·8 per cent. of the births were illegitimate, in Leith 6·1 per cent., in Paisley 8·5, in Perth 9·1, in Edinburgh 9·5, in Glasgow 9·8, in Dundee 11·5, and in Aberdeen 12·4.

Of the children born in the Eight Towns during the year, 20266

TABLE IX.—Births, Deaths, and Marriages in each of the Eight Principal Towns of Scotland during the Year 1868, with their proportions to the estimated Population; also the Illegitimate Births, and their proportion to the Total Births.

| 1868. | Population estimated to the middle of 1868. | BIRTHS. | | ILLEGIT. BIRTHS | | DEATHS. | | MARRIAGES. | |
|----------------------|---|--------------|----------------------------|--------------------|--|--------------|----------------------------|--------------|----------------------------|
| | | Num- ber. | Per Cent. to Pop. | Num- ber. | Per Cent. to Total Births. | Num- ber. | Per Cent. to Pop. | Num- ber. | Per Cent. to Pop. |
| Glasgow, | 443,643 | 18609 | 4·19 | 1827 | 9·8 | 13825 | 3·11 | 3814 | 0·86 |
| Edinburgh, | 176,817 | 6649 | 3·76 | 641 | 9·5 | 4780 | 2·70 | 1779 | 1·00 |
| Dundee, | 100,096 | 4580 | 4·57 | 527 | 11·5 | 2919 | 2·91 | 870 | 0·87 |
| Aberdeen, | 75,292 | 2912 | 3·86 | 363 | 12·4 | 2027 | 2·69 | 692 | 0·91 |
| Paisley, | 47,427 | 1758 | 3·70 | 151 | 8·5 | 1221 | 2·57 | 395 | 0·83 |
| Greenock, | 48,570 | 2402 | 4·94 | 140 | 5·8 | 1658 | 3·41 | 423 | 0·87 |
| Leith, | 38,791 | 1759 | 4·53 | 108 | 6·1 | 975 | 2·51 | 411 | 1·08 |
| Perth, | 27,123 | 844 | 3·11 | 77 | 9·1 | 626 | 2·30 | 222 | 0·82 |
| EIGHT TOWNS, | 957,759 | 39513 | 4·12 | 3834 | 9·7 | 28031 | 2·92 | 8606 | 0·90 |

were males, and 19247 females, showing that 105·2 boys were born for every 100 girls.

DEATHS IN THE EIGHT TOWNS.

28031 Deaths were registered in the Eight Towns during the year 1868, being in the proportion of 292 deaths in every ten thousand persons, or 2·92 per cent. This is a high mortality for the towns, and above the average of the thirteen previous years, which yield a mean annual proportion of 2·82 deaths per cent. of the population. It was, however, much lower than the mortality of the same towns during the years 1864 and 1865, when Fever prevailed as an epidemic, and when the mortality reached the high respective proportions of 3·14 and 3·07 deaths per cent.

The death-rate varied greatly in the Eight Towns. Thus, in every ten thousand persons in each town, 230 deaths occurred in Perth, 251 in Leith, 257 in Paisley, 269 in Aberdeen, 270 in Edinburgh, 291 in Dundee, 311 in Glasgow, and 341 in Greenock. (Table IX.)

A comparison of the death-rates in the several towns for the past ten years (Table X.) proves that the mortality in the Eight Towns does not rise and fall simultaneously, and it will immediately be shown that it is not the same epidemic diseases which take the lead in each. During the past year the mortality in Paisley and Perth was considerably below the mean of the ten previous years, that of Dundee was almost exactly at the average of the ten previous years, while all the other towns had a mortality in 1868 considerably above the average.

Of the 28031 persons who died in the Eight Towns during the year, 12728 or 45·4 per cent. were under 5 years of age. That proportion, however, varied greatly in the several towns, depending greatly on the kind of epidemic disease which prevailed among the children. Thus, in

TABLE X.—Proportion of Deaths in each of the Eight Principal Towns of Scotland during each of the Years 1858-1868 inclusive.

| Towns. | Per-centage of Deaths to the Population. | | | | | | | | | | | |
|---------------------|--|-------|-------|-------|-------|-------|-------|-------|-------|-------|------------------------|-------|
| | 1858. | 1859. | 1860. | 1861. | 1862. | 1863. | 1864. | 1865. | 1866. | 1867. | Mean Annual Mortality. | 1868. |
| Glasgow | 3·05 | 2·83 | 3·19 | 2·75 | 2·86 | 3·24 | 3·27 | 3·28 | 2·98 | 2·88 | 3·03 | 3·11 |
| Edinburgh | 2·49 | 2·19 | 2·50 | 2·44 | 2·77 | 2·60 | 2·69 | 2·78 | 2·74 | 2·71 | 2·59 | 2·70 |
| Dundee | 2·64 | 2·53 | 3·20 | 2·60 | 2·79 | 2·87 | 3·25 | 3·11 | 3·19 | 2·98 | 2·91 | 2·90 |
| Aberdeen | 2·20 | 2·28 | 2·97 | 2·40 | 2·59 | 2·35 | 2·85 | 2·63 | 3·09 | 2·43 | 2·58 | 2·69 |
| Paisley | 2·67 | 2·49 | 2·90 | 2·54 | 2·64 | 2·56 | 3·20 | 2·97 | 2·83 | 2·81 | 2·76 | 2·57 |
| Greenock | 2·59 | 3·34 | 2·90 | 2·52 | 3·06 | 4·13 | 4·19 | 3·57 | 3·14 | 2·95 | 3·24 | 3·41 |
| Leith | 2·26 | 1·98 | 2·76 | 2·12 | 2·38 | 2·47 | 2·48 | 2·52 | 2·42 | 2·76 | 2·41 | 2·51 |
| Perth | 2·67 | 2·24 | 2·64 | 2·62 | 2·35 | 2·46 | 3·28 | 2·69 | 2·28 | 2·11 | 2·53 | 2·30 |

TABLE XI.—Deaths of Children under Five Years of Age in each of the Eight Principal Towns of Scotland, during the year 1868.

| Towns. | Number of Children under Five years of Age, in 1868. | Deaths under Five years of Age. | Per-cent. of Deaths to Population under Five years. | Towns. | Number of Children under Five years of Age, in 1868. | Deaths under Five years of Age. | Per-cent. of Deaths to Population under Five years. |
|----------------|--|---------------------------------|---|----------------|--|---------------------------------|---|
| Glasgow,..... | 61,587 | 6903 | 11·2 | Paisley, | 6767 | 449 | 6·6 |
| Edinburgh,... | 20,637 | 1741 | 8·4 | Greenock, ... | 7045 | 844 | 11·9 |
| Dundee, | 13,200 | 1349 | 10·2 | Leith, | 5387 | 442 | 8·2 |
| Aberdeen,..... | 9376 | 801 | 8·5 | Perth, | 3388 | 199 | 5·9 |

Perth 31·8 per cent. of the persons who died during the year were under 5 years of age, in Edinburgh 36·4 per cent., in Paisley 36·7, in Aberdeen 39·5, in Leith 45·3, in Dundee 46·2, in Glasgow 49·9, and in Greenock 50·9 per cent.

As this mode of calculating the comparative death-rate in children gives no idea whatever of the actual mortality, Table XI. is appended, showing the proportion of children under 5 years of age who died in each town during the year. From this Table it will be seen, that the mortality of children was lowest in Perth and Paisley, highest in Greenock and Glasgow. Thus, of every 100 children under 5 years of age living in each town, 5·9 died in Perth, 6·6 in Paisley, 8·2 in Leith, 8·4 in Edinburgh, 8·5 in Aberdeen, 10·2 in Dundee, 11·2 in Glasgow, and 11·9 in Greenock.

The Zymotic (epidemic and contagious) class of diseases proved fatal to 7173 persons in the Eight Towns, and thus constituted 26 per cent. of the mortality, or cut off 76 persons during the year in every ten thousand. This is a very high proportion, showing that the diseases which we style "epidemic" had been more than usually prevalent. This class of diseases falls with especial severity on the young of the population. Hence it appears that, of the 7173 persons who died from the Zymotic class of diseases, 66·4 per cent. were under 5 years of life,—also a larger proportion than usual, indicating that the prevalent epidemic diseases had been those which attack children.

The relative proportion of deaths from the Zymotic diseases varied greatly in the Eight Towns. Thus, in Perth 20·25 per cent. of the ascertained deaths were caused by these diseases, in Aberdeen 21·98 per cent., in Edinburgh 22·80, in Dundee 24·63, in Paisley 26·30, in Leith 26·70, in Glasgow 27·58, and in Greenock 32·11. If the deaths from the Zymotic class of diseases be compared with the populations, the towns would arrange themselves in the same order (Table XIII.), Perth showing the smallest mortality from these diseases, and Greenock the largest—indeed, the proportion of deaths from that class of diseases in Greenock is enormous.

In order to point out the fact that it is not the same epidemic which takes the lead in each town, but that the epidemic constitution, whatever it be, is under subjection to local causes, of which as yet we know nothing, we may shortly mention the epidemic diseases which took the lead in each of the Eight Towns.

In Glasgow, the most fatal epidemic was Hooping-cough, which caused 945 deaths. Scarlatina was nearly equally fatal, as it caused 916 deaths; after which came the Continued Fevers (Typhus, Enteric, etc.), causing 618 deaths; followed by Diarrhœa, 448 deaths.

In Edinburgh, Scarlatina was the most fatal of the epidemics, causing 340 deaths; after which came the Continued Fevers, 174 deaths; and Diarrhœa, 171 deaths.

In Dundee, Measles was the most fatal of the epidemics, causing 191 deaths; then the Continued Fevers, 155 deaths; and Diarrhœa, 117 deaths.

In Aberdeen, Measles was the most fatal of the Zymotic class, causing 134 deaths; after which came Hooping-cough, with 69 deaths; the Continued Fevers, with 57 deaths; and Diarrhœa, 56 deaths.

In Paisley, Scarlatina was by far the most fatal of the epidemics, causing 111 deaths; then follows the Continued Fevers, 72 deaths; and Diarrhœa, 42 deaths.

In Greenock, Hooping-cough was the most fatal epidemic, causing 146

deaths; after which followed Scarlatina, 96 deaths; the Continued Fevers, 82 deaths; and Diarrhœa, 63 deaths.

In Leith, Scarlatina was by far the most fatal of the epidemics, causing 131 deaths; then followed the Continued Fevers, 36 deaths; and Diarrhœa, 30 deaths.

In Perth, Hooping-cough was the most fatal epidemic, causing 31 deaths; after which came the Continued Fevers, 25 deaths; Scarlatina, 19 deaths; and Diarrhœa, 17 deaths.

Tables XII. and XIII. show the proportion which the leading diseases and classes of disease in each town bear to the population and to the total deaths, allowance being made in both tables for those cases where the cause of death was not ascertained.

Taking the mortality of the Eight Towns in the aggregate, it appears that of the Zymotic class of diseases Scarlatina was the most fatal, causing 1704 deaths, or 6·18 per cent. of the mortality; Hooping-cough coming next with 1409 deaths, or 5·11 per cent. of the mortality; then the Continued Fevers (Typhus, Enteric, etc.), with 1219 deaths, or 4·42 per cent. of the mortality; and the Diarrhœa, with 944 deaths, or 3·42 per cent. of the mortality.

It is only of late years that the British physicians have recognised the different forms of Continued Fever, so as to be able to distinguish them, and hence resulted the idea that these fevers had changed their type. From the appended tables it will be seen that all the varied forms of Continued Fever prevail at one and the same time among the people. But in certain years, or in certain localities, one or other form becomes the leading

TABLE XII.—Per-centage of Deaths from different Diseases to the Total Death in the Eight Principal Towns of Scotland, allowing for the causes not specified.

| | Glasgow. | Edinburgh. | Dundee. | Aberdeen. | Paisley. | Greenock. | Leith. | Perth. |
|-----------------------------------|----------|------------|---------|-----------|----------|-----------|--------|--------|
| I. Zymotic Diseases | 27·58 | 22·80 | 24·63 | 21·98 | 26·30 | 32·11 | 26·70 | 20·25 |
| III. Tubercular Diseases . . . | 18·43 | 16·11 | 17·26 | 18·49 | 20·08 | 16·24 | 13·71 | 17·04 |
| IV. Brain Diseases | 6·94 | 10·70 | 8·24 | 10·09 | 8·48 | 7·57 | 8·55 | 9·97 |
| V. Heart, etc., Diseases . . . | 3·14 | 6·42 | 4·49 | 4·84 | 3·11 | 4·94 | 4·64 | 7·56 |
| VI. Respiratory Organs | 19·35 | 14·08 | 16·25 | 13·19 | 12·60 | 14·00 | 14·94 | 11·89 |
| VII. Digestive Organs | 7·29 | 6·46 | 6·63 | 7·29 | 7·31 | 7·19 | 7·52 | 5·78 |
| XII. Debility and Premature Birth | 5·30 | 4·92 | 7·54 | 5·34 | 4·11 | 4·56 | 6·49 | 4·50 |
| XV. Old Age | 2·93 | 5·57 | 5·33 | 6·44 | 6·97 | 3·27 | 4·64 | 8·85 |
| XVII. Violent Deaths | 2·72 | 3·42 | 2·63 | 3·19 | 2·35 | 3·27 | 4·74 | 3·53 |
| Small-pox | 0·04 | 0·00 | 0·03 | 0·05 | 0·00 | 0·12 | 0·00 | 0·16 |
| Measles | 2·68 | 0·71 | 6·70 | 6·69 | 0·59 | 2·24 | 0·20 | 1·28 |
| Scarlatina | 6·73 | 7·18 | 1·47 | 2·44 | 9·31 | 6·16 | 13·50 | 3·05 |
| Diphtheria | 0·69 | 1·16 | 0·66 | 0·24 | 0·75 | 0·83 | 0·51 | 0·48 |
| HOOPING-COUGH | 6·94 | 2·49 | 1·79 | 3·44 | 1·93 | 9·37 | 2·68 | 4·98 |
| Croup | 1·17 | 1·62 | 1·37 | 0·54 | 1·85 | 2·24 | 1·44 | 1·44 |
| Diarrhœa | 3·29 | 3·61 | 4·10 | 2·79 | 3·52 | 4·04 | 3·09 | 2·73 |
| Dysentery | 0·19 | 0·48 | 0·77 | 0·64 | 0·42 | 0·12 | 0·41 | 0·32 |
| Cholera | 0·17 | 0·27 | 0·77 | 0·19 | 0·33 | 0·51 | 0·30 | 0·16 |
| All Fevers | 4·54 | 3·67 | 5·44 | 2·84 | 6·05 | 5·27 | 3·70 | 4·02 |
| Viz. Typhus | 2·48 | 2·31 | 3·89 | 1·09 | 2·86 | 3·87 | 1·65 | 2·89 |
| Enteric | 1·66 | 1·28 | 1·10 | 1·55 | 2·36 | 1·34 | 1·65 | 0·48 |
| Relapsing | 0·13 | 0·02 | 0·03 | 0·05 | 0·42 | 0·06 | 0·00 | 0·00 |
| Continued | 0·09 | 0·04 | 0·07 | 1·05 | 0·16 | 0·00 | 0·30 | 0·65 |
| Infantile | 0·18 | 0·02 | 0·35 | 0·10 | 0·25 | 0·00 | 0·10 | 0·00 |
| Dropsy | 0·93 | 0·82 | 1·89 | 1·74 | 1·93 | 0·89 | 0·92 | 1·28 |
| Cancer | 1·15 | 2·40 | 1·15 | 2·69 | 1·51 | 0·83 | 1·23 | 2·41 |
| PHTHISIS | 13·19 | 10·68 | 12·70 | 12·64 | 13·53 | 11·43 | 7·32 | 12·21 |
| Apoplexy | 1·19 | 2·66 | 1·93 | 1·94 | 2·18 | 2·05 | 1·13 | 3·37 |
| Paralysis | 1·53 | 2·95 | 2·10 | 2·44 | 3·53 | 1·22 | 2·88 | 2·60 |
| Convulsions | 1·78 | 1·56 | 2·38 | 2·74 | 3·36 | 1·28 | 1·85 | 1·12 |
| BRONCHITIS | 14·07 | 9·31 | 10·80 | 9·04 | 9·31 | 9·76 | 9·89 | 8·52 |
| Pneumonia | 3·80 | 2·61 | 3·54 | 2·69 | 2·60 | 3·08 | 3·60 | 2·09 |
| Teething | 1·92 | 0·84 | 3·68 | 1·89 | 2·10 | 2·31 | 2·16 | 1·61 |

type. Thus, of the 1219 deaths from Fevers in the Eight Towns during the year, 708 were attributed to Typhus or Spotted Fever, 417 to Enteric (also called Typhoid and Gastric Fever), 26 to Relapsing Fever, 26 to Simple Continued Fever, and 42 to Infantile Fever—which last, in fact, is Enteric Fever in the child. But the proportions in which these varied forms occurred differed widely in the several towns; for, while Typhus or Spotted Fever appears to have decidedly taken the lead in Dundee, Greenock, and Perth, Enteric or Typhoid Fever took the lead in Aberdeen, while in Leith the deaths from each were equal.

Of the other Zymotic diseases in the Eight Towns not taken notice of above, Measles caused 776 deaths, Diphtheria 204, Croup 367, Dysentery 98, Cholera 78, Influenza 77, Metria or Childbed Fever 76, Erysipelas 85, Rheumatic Fever 40, Syphilis (of which 69 cases were congenital) 90, Noma 6, Purpura 10, Ague 3, Worms 5, Pyæmia 4, and Small-pox 11, but as the deaths occurring from Varicella and Vaccinia are tabulated under this head, the real deaths attributable to Small-pox are only 6.

Of the diseases of Uncertain Seat, Cancer in the Eight Towns caused 416 deaths, Undefined Dropsy 309, Abscess 55, Hæmorrhage (of which the seat was not stated) 42, Mortification 47, Ulcer 13, Fistula 6, and Gout 4. It is somewhat remarkable, that the deaths from Cancer should be double in Aberdeen and Edinburgh to what they are in other towns. The same curious fact was remarked last year also.

The Tubercular class of diseases caused 4864 deaths in the Eight

TABLE XIII.—Per-centage of Deaths from different Diseases to the Population in the Eight Principal Towns of Scotland, allowing for the causes not specified.

| | Glasgow. | Edinburgh. | Dundee. | Aberdeen. | Paisley. | Greenock. | Leith. | Perth. |
|---|----------|------------|---------|-----------|----------|-----------|--------|--------|
| Total Deaths | 3·116 | 2·703 | 2·916 | 2·692 | 2·574 | 3·413 | 2·513 | 2·308 |
| I. Zymotic Diseases | 0·859 | 0·616 | 0·718 | 0·591 | 0·677 | 1·096 | 0·671 | 0·464 |
| III. Tubercular Diseases | 0·574 | 0·435 | 0·503 | 0·497 | 0·517 | 0·554 | 0·344 | 0·390 |
| IV. Brain Diseases | 0·216 | 0·289 | 0·244 | 0·271 | 0·220 | 0·258 | 0·150 | 0·210 |
| V. Heart, etc., Diseases | 0·095 | 0·173 | 0·130 | 0·130 | 0·080 | 0·168 | 0·116 | 0·173 |
| VI. Respiratory Organs | 0·603 | 0·380 | 0·470 | 0·355 | 0·324 | 0·477 | 0·375 | 0·272 |
| VII. Digestive Organs | 0·227 | 0·174 | 0·193 | 0·196 | 0·188 | 0·245 | 0·189 | 0·132 |
| XII. Debility and Premature Birth | 0·165 | 0·133 | 0·220 | 0·107 | 0·106 | 0·155 | 0·163 | 0·103 |
| XV. Old Age | 0·091 | 0·150 | 0·155 | 0·173 | 0·177 | 0·111 | 0·116 | 0·202 |
| XVII. Violent Deaths | 0·084 | 0·092 | 0·076 | 0·086 | 0·060 | 0·111 | 0·119 | 0·081 |
| Small-pox | 0·001 | 0·000 | 0·001 | 0·001 | 0·000 | 0·004 | 0·000 | 0·003 |
| Measles | 0·083 | 0·019 | 0·195 | 0·180 | 0·015 | 0·076 | 0·005 | 0·029 |
| Scarlatina | 0·209 | 0·194 | 0·043 | 0·065 | 0·240 | 0·214 | 0·339 | 0·070 |
| Diphtheria | 0·021 | 0·031 | 0·019 | 0·006 | 0·019 | 0·028 | 0·013 | 0·011 |
| HOOPING-COUGH | 0·216 | 0·067 | 0·052 | 0·092 | 0·049 | 0·320 | 0·067 | 0·114 |
| Croup | 0·036 | 0·044 | 0·039 | 0·014 | 0·047 | 0·076 | 0·036 | 0·033 |
| Diarrhœa | 0·102 | 0·097 | 0·119 | 0·075 | 0·090 | 0·138 | 0·077 | 0·062 |
| Dysentery | 0·006 | 0·013 | 0·022 | 0·017 | 0·010 | 0·004 | 0·010 | 0·007 |
| Cholera | 0·005 | 0·007 | 0·022 | 0·005 | 0·008 | 0·017 | 0·007 | 0·003 |
| All Fevers | 0·141 | 0·099 | 0·157 | 0·076 | 0·155 | 0·179 | 0·093 | 0·092 |
| Viz. Typhus | 0·077 | 0·063 | 0·113 | 0·030 | 0·074 | 0·131 | 0·042 | 0·067 |
| Enteric | 0·051 | 0·035 | 0·031 | 0·042 | 0·061 | 0·046 | 0·042 | 0·011 |
| Relapsing | 0·004 | 0·000 | 0·001 | 0·001 | 0·010 | 0·002 | 0·000 | 0·000 |
| Continued | 0·003 | 0·001 | 0·002 | 0·001 | 0·004 | 0·000 | 0·007 | 0·014 |
| Infantile | 0·006 | 0·000 | 0·010 | 0·002 | 0·006 | 0·000 | 0·002 | 0·000 |
| Dropsy | 0·029 | 0·022 | 0·054 | 0·047 | 0·069 | 0·030 | 0·023 | 0·029 |
| Cancer | 0·036 | 0·065 | 0·033 | 0·072 | 0·039 | 0·028 | 0·031 | 0·055 |
| PHTHISIS | 0·411 | 0·288 | 0·370 | 0·340 | 0·348 | 0·390 | 0·184 | 0·282 |
| Apoplexy | 0·039 | 0·071 | 0·055 | 0·052 | 0·056 | 0·070 | 0·028 | 0·077 |
| Paralysis | 0·048 | 0·079 | 0·060 | 0·065 | 0·090 | 0·041 | 0·072 | 0·058 |
| Convulsions | 0·055 | 0·042 | 0·068 | 0·074 | 0·008 | 0·043 | 0·046 | 0·025 |
| BRONCHITIS | 0·438 | 0·251 | 0·315 | 0·243 | 0·240 | 0·333 | 0·248 | 0·195 |
| Pneumonia | 0·118 | 0·070 | 0·103 | 0·072 | 0·067 | 0·105 | 0·090 | 0·048 |
| Teething | 0·060 | 0·022 | 0·107 | 0·051 | 0·054 | 0·078 | 0·054 | 0·036 |

Towns, and thus constituted 17·66 per cent. of the mortality, or cut off 51 persons during the year in every ten thousand persons. This is about the usual proportion.

Of the diseases belonging to this class, Consumption or Phthisis was the most fatal, causing in the Eight Towns 3402 deaths, or 12·35 per cent. of the mortality, or 36 deaths during the year in every ten thousand persons. The proportion of persons dying from Consumption in each of the towns was very different. Thus, of the specified deaths in each town, 7·32 per cent. died in Leith, 10·68 per cent. in Edinburgh, 11·43 in Greenock, 12·21 in Perth, 12·64 in Aberdeen, 12·70 in Dundee, 13·19 in Glasgow, and 13·53 in Paisley. If compared with the population, however, it appears that, of every ten thousand persons in each town, 18 died from Consumption in Leith, 28 in Perth, 29 in Edinburgh, 34 in Aberdeen, 35 in Paisley, 37 in Dundee, 39 in Greenock, and 41 in Glasgow.

Of the other diseases belonging to the Tubercular class, Hydrocephalus caused 855 deaths, Tabes Mesenterica 363, and Scrofula 244.

Diseases of the brain and nervous system caused 2254 deaths in the Eight Towns, or 8·18 per cent. of the general mortality. These proportions were extremely varied in the several towns. Thus, in Glasgow only 6·94 per cent. of the deaths were from brain diseases, in Greenock 7·57 per cent., in Dundee 8·24, in Paisley 8·48, in Leith 8·55, in Perth 9·97, in Aberdeen 10·09, and in Edinburgh 10·70 per cent. As compared with the population, the mortality from that class of diseases was lowest in Leith and highest in Edinburgh.

Of these diseases of the brain and nervous system, Paralysis caused 563 deaths in the Eight Towns, Apoplexy 482, Convulsions 489, Cephalitis 134, Epilepsy 56, Insanity 33, Tetanus 18, Delirium Tremens 31, Chorea 4, and undefined Disease of the Brain 444 deaths.

1163 deaths were attributed to disease of the heart and blood-vessels, which thus constituted 4·22 per cent. of the mortality.

Inflammatory affections of the respiratory organs (not including Consumption, Hooping-cough, Influenza, or Croup) caused 4611 deaths in the Eight Towns, and thus constituted 16·74 per cent. of the mortality, or 49 deaths in every ten thousand persons. This class of diseases is particularly fatal to the very young, seeing that 52 per cent. of the persons who died from this class were under 5 years of age.

Of the deaths under this class, 3257 were caused by Bronchitis, 923 by Pneumonia, 150 by Asthma, 51 by Laryngitis, 54 by Pleurisy, and 176 by undefined Disease of the Lungs.

The deaths from the inflammatory affections of the respiratory organs were lowest in Perth and highest in Glasgow. Thus, in every ten thousand persons in each town, there died from this class of diseases 27 in Perth, 32 in Paisley, 35 in Aberdeen, 37 in Leith, 38 in Edinburgh, 47 in Dundee, 48 in Greenock, but 60 in Glasgow. Even if compared with the total deaths, the several towns arrange themselves in almost the same order, viz. Perth with the smallest mortality, Glasgow with the highest. (Table XIII.)

Year after year it appears that about a third of the annual deaths are caused through affections of the respiratory organs. Thus, if to the deaths from inflammatory affections of the respiratory organs, be added all the deaths from Influenza, Croup, Hooping-cough, and Phthisis, there is a total of 9826 deaths in the Eight Towns through diseases affecting the respiratory organs, or 35·6 per cent. of the total ascertained deaths. The pro-

portion of deaths from these lung affections has therefore been somewhat above the average during the past year.

Diseases of the organs of digestion caused 1942 deaths in the Eight Towns, or 7 per cent. of the mortality. The proportion of deaths in the different towns from that class of diseases was wonderfully close, though lower in Perth than the rest.

Teething was the most fatal of the diseases ascribed to this class, causing 537 deaths in the Eight Towns, Enteritis caused 334 deaths, Disease of the Stomach 314, Disease of the Liver 280, Jaundice 64, and Inflammation of the Liver 33. Ileus caused 99 deaths, Peritonitis 78, Ulceration of the Intestines 42, Hernia 41, Gastritis 36, Ascites 30.

Of the other diseases or classes of disease, Disease of the Kidney caused 412 deaths, Diseases of the Organs of Generation 231 deaths, Rheumatism and Diseases of the Joints and Bones 156 deaths, Diseases of the Skin 28, Malformations 44, Debility from Premature Births, etc., 1461, Atrophy 225, Old Age without marked disease 1178.

Including the 76 deaths from Childbed Fever, 226 mothers died in giving birth to their children, showing that one mother died for every 174 children born alive, or 57 mothers in every ten thousand who bare children that year.

818 deaths were ascribed to violent causes, being very nearly 3 per cent. of the deaths. In proportion to the deaths, Leith had by far the highest proportion of deaths from violence, while Paisley had the lowest. In proportion to the population, Leith had also the much highest proportion, and Paisley the lowest. Thus, in every ten thousand persons in each town, 6.0 died from violent causes in Paisley, 7.6 in Dundee, 8.1 in Perth, 8.4 in Glasgow, 8.6 in Aberdeen, 9.2 in Edinburgh, 11.1 in Greenock, and 11.9 in Leith.

Of the violent deaths, 345 were caused by Fractures and Contusions, 127 by Drowning, 69 by Burns and Scalds, 24 by Poison, 24 by Hanging, 63 by Suffocation, 64 by Want of Breast Milk, 35 by Intemperance, 9 by Cuts and Stabs, 5 by Gunshot Wounds, 1 by Neglect, and 1 by Privation of Food, while 50 were ascribed to violent causes not included in the above.

MARRIAGES IN THE EIGHT TOWNS.

8606 Marriages were registered in the Eight Towns during the year 1868, being in the proportion of 90 marriages in every ten thousand persons. This is the exact mean of the ten previous years, but is greatly below that of the five previous years, for in 1865 and 1866 the proportion of marriages rose to 100 in every ten thousand persons. (Table IX.)

The falling off in the proportion of marriages appeared to be greatest in the manufacturing towns. Thus, in Paisley only 83 marriages occurred in every ten thousand persons, in Glasgow 86, and in Dundee and Greenock each only 87 in a like population; whereas, in the non-commercial town of Aberdeen, the proportion of marriages was 91, and in Edinburgh 100 in every ten thousand persons.

WEATHER AND ITS INFLUENCE ON THE MORTALITY.

In Scotland the weather has a powerful influence on the mortality, even the diseases to which we assign the term of "epidemics" being equally

with the other diseases under its influence. Excess of heat, as well as a low temperature, seem to act injuriously on the health of the population; and during the past year the evil influence of both of these was distinctly traceable in the deaths.

The weather during 1868 was peculiar. No truly wintry weather occurred during the first quarter of the year, frost and snow being almost unknown over all the lower lying portions of the country. During the second quarter, instead of suffering as usual from the cold and easterly winds, balmy south-westerly and westerly breezes were the prevalent aërial currents. The third quarter was characterized by an unusually high temperature and drought; while the fourth quarter was colder than usual, and that cold was more intensely felt, and acted more injuriously, from contrast with the unusual heat which had preceded it.

The mean temperature of the first quarter during the ten previous years was $37^{\circ}9$ Fahr., and that temperature was accompanied by a mean annual mortality of 2.49 deaths in every 100 persons. (Table II.) During the unusually mild first quarter of 1868, the mean temperature was $40^{\circ}6$ or $2^{\circ}7$ degrees higher temperature, and the mean mortality was only 2.26 deaths in every 100 of the population. In other words, the milder winter weather of 1868 saved the lives of 1833 persons in Scotland during the first quarter of that year.

The mean temperature of the second quarter is wonderfully uniform from year to year, averaging $49^{\circ}7$ in Scotland, and the difference between one year and another is chiefly caused by the keenness and strength of the east winds. In average seasons these winds blow with cutting severity, and with the above mean temperature produce an average annual death-rate of 2.22 deaths per 100 persons. During the second quarter of 1868, however, the average temperature was $51^{\circ}0$: even when the east winds did blow they wanted their usual velocity and keenness, the south-west and westerly balmy breezes were much more prevalent than usual, and the mortality was consequently only at the rate of 2.12 deaths in every 100 of the population. In other words, the less severe spring weather of 1868 saved the lives of 796 persons in Scotland during the second quarter, who would have perished had the weather maintained its usual character.

The third or summer quarter, has, on the average of years, a mean temperature of $55^{\circ}3$, and a mean death-rate of 1.90 deaths per 100 of population. In Scotland the third quarter is generally the healthiest, because the heat is rarely oppressive, and the mean temperature of the warmest month seldom reaches 60° Fahr. But in tropical and other countries where the summer heats are excessive, the third quarter is the most fatal of the year, because the heat induces all kinds of bowel complaints and miasmatic fevers. According, whenever the mean temperature in Scotland rises to or above 55° , bowel complaints become prevalent, and increase and prove fatal just in proportion to the rise of the mean temperature above that point. During the third quarter of 1868 the mean temperature was $57^{\circ}4$, that of July having been $60^{\circ}4$, that of August $58^{\circ}5$, and the deaths over the country so increased under this unusual heat that the death-rate was 2.09 deaths in every 100 of the population. In other words, the increased and unusual heat during the third quarter so increased the deaths, that 1514 died in Scotland during that quarter more than would have died had the usual cooler temperature prevailed, and this increased mortality was chiefly due to the increased prevalence and fatality of the bowel complaints.

During the fourth or autumnal quarter the mean temperature falls, and

the lower temperature increases the number and proportion of deaths. The fourth quarter, on a ten years' average, has a mean temperature of 41°·9, and a mean mortality of 2·14 deaths in every 100 persons of the population. The fourth quarter of 1868 was only about half a degree of temperature colder than usual, but its hurtful effect was rendered more powerful from the circumstance that the heat which preceded it was greater than usual. Though the mean temperature, therefore, was only 41°·5, the mortality was at the rate of 2·22 deaths in every 100 of the population. In other words, the lower temperature, combined with the more sudden change

TABLE XIV.—Meteorology of Scotland for the year 1868, deduced from Observations made at 55 Stations of the Meteorological Society of Scotland, the particulars for each of the Stations having been published in the Quarterly Reports of the Registrar-General for 1868; also the Number of Births, Deaths, and Marriages registered during each month of the year 1868.

| 1868. | JAN. | FEB. | MAR. | APR. | MAY. | JUNE. | JULY. | AUG. | SEPT. | OCT. | NOV. | DEC. | YEAR. |
|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Highest Temperature in shade | 56·0 | 60·0 | 63·0 | 69·0 | 74·2 | 84·0 | 88·5 | 91·0 | 86·5 | 66·0 | 62·5 | 59·5 | 91·0 |
| Lowest Temperature in do. | 12·0 | 15·0 | 18·8 | 22·3 | 22·0 | 32·5 | 35·0 | 38·0 | 29·0 | 23·0 | 17·8 | 16·0 | 12·0 |
| Mean Day Temperatures | 41·9 | 46·6 | 48·8 | 52·4 | 58·9 | 63·8 | 69·5 | 65·5 | 59·5 | 51·3 | 43·9 | 45·0 | 53·9 |
| Mean Night Temperatures | 33·0 | 36·7 | 36·8 | 39·6 | 44·0 | 47·5 | 51·3 | 51·5 | 46·9 | 38·5 | 34·6 | 36·2 | 41·4 |
| Daily Range | 8·9 | 9·9 | 12·0 | 12·8 | 14·9 | 16·3 | 18·2 | 14·0 | 12·6 | 12·8 | 9·3 | 8·8 | 12·5 |
| Mean Temperature | 37·5 | 41·6 | 42·8 | 46·0 | 51·4 | 55·6 | 60·4 | 58·5 | 53·2 | 44·8 | 39·2 | 40·6 | 47·6 |
| Highest Temperature in Sun | 84·7 | 95·4 | 115·7 | 129·4 | 125·7 | 135·4 | 143·4 | 135·1 | 130·8 | 125·8 | 91·3 | 75·4 | 143·4 |
| Lowest on Grass at Night | 6·0 | 14·0 | 15·0 | 17·0 | 15·0 | 27·0 | 25·0 | 12·0 | 22·0 | 12·0 | 10·0 | 10·0 | 6·0 |
| Wet-bulb Temperature | 36·1 | 39·3 | 40·4 | 43·3 | 48·3 | 51·7 | 56·2 | 55·2 | 50·7 | 42·7 | 37·3 | 39·2 | 45·0 |
| Dew-point Temperature | 34·3 | 37·1 | 37·9 | 40·6 | 45·3 | 48·2 | 53·0 | 52·6 | 48·6 | 40·7 | 35·2 | 37·5 | 42·6 |
| Humidity of Air | 89 | 86 | 85 | 84 | 80 | 77 | 78 | 83 | 86 | 87 | 87 | 90 | 84 |
| Elastic Force of Vapour (inch) | ·199 | ·221 | ·229 | ·254 | ·303 | ·339 | ·403 | ·398 | ·343 | ·254 | ·206 | ·226 | ·281 |
| Number of Rainy Days | 17 | 18 | 17 | 13 | 15 | 11 | 6 | 16 | 13 | 17 | 13 | 19 | 175 |
| Amount of Rain (inches) | 5·53 | 4·75 | 4·22 | 3·31 | 2·51 | 1·14 | 0·70 | 5·18 | 3·34 | 3·71 | 2·62 | 6·02 | 43·03 |
| Amount of Cloud | 7·1 | 6·7 | 6·6 | 7·2 | 6·4 | 5·8 | 5·5 | 6·6 | 6·9 | 5·9 | 6·8 | 6·8 | 6·5 |
| Hours of Sunshine | 53 | 89 | 130 | 141 | 211 | 264 | 275 | 183 | 124 | 123 | 67 | 58 | 1718 |
| Mean Barometer (inches) | 29·742 | 29·799 | 29·749 | 29·852 | 29·882 | 30·034 | 30·058 | 29·808 | 29·903 | 29·772 | 29·955 | 29·312 | 29·822 |
| Easterly Winds (days) | 10 | ... | 1 | 7 | 6 | 3 | 8 | 8 | 14 | 3 | 10 | 9 | 79 |
| Westerly Winds (days) | 14 | 25 | 23 | 16 | 16 | 21 | 14 | 16 | 9 | 20 | 11 | 13 | 198 |
| Births | 9579 | 9145 | 10012 | 10242 | 10442 | 10341 | 9858 | 9341 | 9194 | 9613 | 8561 | 9345 | 115673 |
| Deaths | 6320 | 5683 | 6033 | 5754 | 5665 | 5509 | 5635 | 5851 | 5176 | 5427 | 5730 | 6603 | 69386 |
| Marriages | 2654 | 1385 | 1248 | 1331 | 999 | 3330 | 2078 | 1351 | 1275 | 1424 | 2183 | 2595 | 21853 |
| Daily Births | 309 | 315 | 323 | 341 | 337 | 345 | 318 | 301 | 306 | 310 | 285 | 301 | 316 |
| Daily Deaths | 204 | 192 | 195 | 192 | 183 | 184 | 182 | 189 | 172 | 175 | 191 | 213 | 189 |
| Daily Marriages* | 115 | 69 | 56 | 60 | 47 | 151 | 90 | 64 | 58 | 64 | 104 | 112 | 83 |

* As few or no Marriages are contracted in Scotland on Saturday or Sunday, these days are excluded from each month in calculating the daily number of Marriages.

from heat to cold, caused 673 more persons to lose their lives during the quarter than would have died had the weather been as usual.

These striking facts prove how closely our health and lives are dependent on the kind of weather which prevails.

Table XIV. shows the leading points of the meteorology of Scotland during each month of the year 1868, and their influence on the general deaths. It will be seen that as the weather improved from January to May, the daily deaths diminished from 204 in January to 183 in May; that they increased under the summer heats, so that they rose to 189 deaths daily during August; that the lowest mortality was attained in the cool month of September, when the deaths numbered 172 daily; and that they increased with the descent of temperature, till they attained the high number of 213 deaths daily during the month of December.

Table XV. shows the connection between weekly temperature and the weekly deaths in the Eight Principal Towns of Scotland, and still more strikingly proves the close dependence of the mortality on the kind of weather which prevails. In reading that table of the weekly deaths, it must be remembered that, if the extreme heat or extreme cold occurred at the end of the week, the deaths caused by that extreme heat or extreme cold would be entered on the Registers of the subsequent week. But if that heat or that cold occurred during the earlier days of the week, the mortality caused thereby is entered on the Registers during the same week.

Look, then, first at the influence of extreme heat on the general mortality. In ordinary seasons, when the heat is moderate and not extreme, the deaths diminish slowly, gradually, and pretty regularly from March till September. But when great heat occurs the deaths largely increase, from the increase and fatality of bowel complaints.

The warmest week in Scotland was the 32d week, or that ending the 8th of August, when the highest temperature was 87°·7 in the shade, and the mean temperature 65°·5. The deaths for the second and third weeks

TABLE XV.—Deaths, Temperatures, and Fall of Rain, in the Eight Principal Towns of Scotland during each Week of the Year 1868.

| No. of Week. | Week ending | DEATHS. | TEMPERATURE. | | | RAIN, in inches | No. of Week. | Week ending | DEATHS. | TEMPERATURE. | | | RAIN, in inches | | |
|-----------------|-------------|---------|--------------|---------|---------|-----------------------|-----------------|-------------|-----------|--------------|---------|---------|-----------------------|------|-------|
| | | | Mean. | Highest | Lowest. | | | | | Mean. | Highest | Lowest. | | | |
| 1 | January | 4 | 481 | 34·3 | 47·0 | 22·5 | 0·254 | 27 | July | 4 | 494 | 61·6 | 86·0 | 42·0 | 0·000 |
| 2 | | 11 | 554 | 36·8 | 48·0 | 26·0 | 0·481 | 28 | | 11 | 484 | 59·6 | 81·8 | 44·9 | 0·070 |
| 3 | | 18 | 553 | 43·0 | 55·5 | 30·8 | 2·333 | 29 | | 18 | 491 | 61·7 | 85·7 | 47·9 | 0·152 |
| 4 | | 25 | 561 | 35·7 | 55·1 | 18·0 | 1·892 | 30 | | 25 | 585 | 61·1 | 82·6 | 43·0 | 0·236 |
| 5 | February | 1 | 544 | 43·2 | 55·0 | 30·6 | 2·388 | 31 | August | 1 | 582 | 62·5 | 81·0 | 45·0 | 0·034 |
| 6 | | 8 | 526 | 39·9 | 50·0 | 29·0 | 1·837 | 32 | | 8 | 618 | 65·5 | 87·7 | 51·3 | 0·552 |
| 7 | | 15 | 504 | 43·4 | 54·9 | 25·6 | 0·735 | 33 | | 15 | 545 | 59·3 | 72·0 | 47·6 | 3·181 |
| 8 | | 22 | 501 | 42·0 | 52·0 | 30·0 | 1·272 | 34 | | 22 | 533 | 58·5 | 76·0 | 44·1 | 1·177 |
| 9 | | 29 | 568 | 47·0 | 59·0 | 32·0 | 0·763 | 35 | | 29 | 469 | 55·2 | 69·2 | 45·6 | 0·815 |
| 10 | March | 7 | 542 | 42·1 | 53·0 | 29·7 | 1·359 | 36 | September | 5 | 506 | 58·4 | 75·7 | 41·0 | 0·403 |
| 11 | | 14 | 543 | 44·0 | 60·0 | 31·0 | 1·002 | 37 | | 12 | 431 | 56·1 | 84·3 | 37·0 | 0·260 |
| 12 | | 21 | 539 | 45·5 | 58·5 | 32·1 | 0·725 | 38 | | 19 | 496 | 50·0 | 61·7 | 32·4 | 0·602 |
| 13 | | 28 | 529 | 42·5 | 60·0 | 27·4 | 0·742 | 39 | | 26 | 495 | 53·4 | 69·5 | 38·0 | 1·396 |
| 14 | April | 4 | 532 | 49·3 | 62·0 | 35·0 | 0·000 | 40 | October | 3 | 524 | 49·9 | 64·8 | 31·0 | 1·334 |
| 15 | | 11 | 490 | 42·5 | 57·0 | 28·0 | 0·558 | 41 | | 10 | 480 | 49·2 | 61·2 | 35·1 | 0·572 |
| 16 | | 18 | 552 | 48·1 | 68·0 | 30·1 | 0·238 | 42 | | 17 | 538 | 47·3 | 61·0 | 34·0 | 0·753 |
| 17 | | 25 | 522 | 48·1 | 60·0 | 37·7 | 1·649 | 43 | | 24 | 503 | 41·4 | 57·0 | 28·0 | 0·929 |
| 18 | May | 2 | 522 | 48·5 | 65·2 | 32·9 | 0·786 | 44 | | 31 | 560 | 45·2 | 60·2 | 31·8 | 1·014 |
| 19 | | 9 | 523 | 48·7 | 68·2 | 29·5 | 0·280 | 45 | November | 7 | 492 | 41·5 | 61·0 | 23·0 | 1·649 |
| 20 | | 16 | 560 | 52·5 | 67·0 | 30·0 | 0·431 | 46 | | 14 | 588 | 37·7 | 53·0 | 25·0 | 0·334 |
| 21 | | 23 | 502 | 53·4 | 71·0 | 34·3 | 0·955 | 47 | | 21 | 627 | 38·2 | 51·9 | 25·0 | 0·109 |
| 22 | | 30 | 521 | 55·3 | 72·7 | 43·0 | 0·581 | 48 | | 28 | 609 | 40·6 | 53·0 | 30·1 | 0·388 |
| 23 | June | 6 | 507 | 55·0 | 70·3 | 41·1 | 0·212 | 49 | December | 5 | 644 | 43·5 | 55·0 | 31·0 | 1·332 |
| 24 | | 13 | 505 | 54·8 | 75·2 | 38·0 | 0·081 | 50 | | 12 | 575 | 42·6 | 57·0 | 25·0 | 1·553 |
| 25 | | 20 | 485 | 57·0 | 79·6 | 39·2 | 0·247 | 51 | | 19 | 583 | 42·9 | 57·1 | 29·0 | 1·606 |
| 26 | | 27 | 518 | 58·4 | 74·8 | 45·6 | 0·371 | 52 | | 26 | 596 | 40·0 | 57·0 | 30·6 | 1·590 |

of July had been 484 and 491 weekly in the Eight Towns; but in the week specified they numbered 618, being a number very much higher than during any previous week of the year 1868.

On the week ending the 29th of August the mean temperature had declined to $55^{\circ}2$, and the deaths diminished to 469. But during the next week, that ending 5th September, the mean temperature had risen to $58^{\circ}4$, and with it the weekly deaths rose to 506.

The effect of cold was equally apparent. November was the coldest of the closing months of the year. During the week ending 7th November the mean temperature was $41^{\circ}5$, and the weekly deaths 492. During the next week, that ending November 14th, the mean temperature fell to $37^{\circ}7$, and with it the deaths rose to 588. The cold continuing, the next, or third, week of November was equally fatal to the population, and produced 627 deaths. But during the three closing weeks of the year, when the mean temperature continued ranging from 40° to $42^{\circ}9$, the deaths were only 575, 583, and 596.

Table XVI., again, shows the influence of the weather on the monthly mortality of the different diseases in the Eight Principal Towns of Scotland. Let us first look at the influence of heat on the mortality.

In May, with its mean temperature of $52^{\circ}6$, the deaths in the Eight Towns numbered 72 daily. In June the mean temperature rose to $56^{\circ}8$, and with it the deaths increased to 75 daily. July, with its mean temperature of $61^{\circ}0$, yielded 76 deaths daily; and August, with its mean temperature of $59^{\circ}8$, yielded 77 deaths daily. During September the mean temperature fell to $54^{\circ}1$, and the deaths immediately fell to 69 daily. Let us see what diseases produced this increase of deaths during the months when the heat was greater than usual.

Table XVI. shows that in the Eight Towns the deaths from the Zymotic (epidemic and contagious) class of diseases, which numbered 520 in May, rose to 537 in June, to 666 in July, and to 781 in August; but

TABLE XVI.—Showing the connection between certain Atmospheric Phenomena, especially Mean Temperature, and the Deaths from certain Diseases and classes of Disease, in the Eight Principal Towns of Scotland, during each month of the year 1868.

| 1868 | Jan. | Feb. | Mar. | April. | May. | June. | July. | Aug. | Sept. | Oct. | Nov. | Dec. |
|--|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
| Mean Temperature, . . . | $38^{\circ}9$ | $42^{\circ}9$ | $44^{\circ}2$ | $46^{\circ}8$ | $52^{\circ}6$ | $56^{\circ}8$ | $61^{\circ}0$ | $59^{\circ}8$ | $54^{\circ}1$ | $45^{\circ}6$ | $39^{\circ}6$ | $41^{\circ}1$ |
| Highest Temperature, . . . | $56^{\circ}0$ | $59^{\circ}2$ | $62^{\circ}2$ | $67^{\circ}3$ | $72^{\circ}7$ | $79^{\circ}6$ | $86^{\circ}2$ | $87^{\circ}7$ | $84^{\circ}3$ | $65^{\circ}0$ | $61^{\circ}8$ | $57^{\circ}0$ |
| Lowest Temperature, . . . | $18^{\circ}0$ | $25^{\circ}6$ | $28^{\circ}0$ | $28^{\circ}9$ | $29^{\circ}5$ | $38^{\circ}0$ | $43^{\circ}7$ | $44^{\circ}0$ | $32^{\circ}4$ | $28^{\circ}0$ | $23^{\circ}0$ | $21^{\circ}0$ |
| Rainfall in inches, . . . | 6.73 | 4.53 | 3.98 | 3.29 | 2.27 | 1.00 | 0.54 | 5.33 | 3.26 | 3.57 | 2.80 | 6.59 |
| Easterly Winds (days), . . . | 8 | 1 | — | 6 | 6 | 5 | 10 | 8 | 14 | 3 | 11 | 9 |
| Westerly Winds (days), . . . | 15 | 24 | 23 | 14 | 16 | 20 | 15 | 16 | 9 | 23 | 12 | 13 |
| Total Deaths, | 2423 | 2170 | 2409 | 2248 | 2218 | 2232 | 2358 | 2404 | 2065 | 2298 | 2474 | 2702 |
| Daily Deaths, | 78 | 75 | 78 | 75 | 72 | 75 | 76 | 77 | 69 | 74 | 82 | 87 |
| Zymotic Diseases, | 499 | 469 | 535 | 483 | 520 | 537 | 666 | 781 | 630 | 726 | 642 | 685 |
| Small-pox, | — | — | 2 | 2 | — | — | 1 | 1 | 1 | — | 3 | 1 |
| Measles, | 32 | 69 | 70 | 89 | 116 | 122 | 87 | 55 | 37 | 34 | 28 | 37 |
| Scarlatina, | 108 | 87 | 77 | 62 | 75 | 78 | 72 | 100 | 185 | 325 | 272 | 263 |
| Diphtheria, | 27 | 22 | 22 | 13 | 10 | 12 | 11 | 8 | 11 | 16 | 25 | 27 |
| Hooping-Cough, | 99 | 87 | 155 | 145 | 131 | 165 | 135 | 121 | 92 | 95 | 83 | 101 |
| Croup, | 48 | 30 | 30 | 20 | 20 | 17 | 14 | 22 | 37 | 48 | 34 | 47 |
| All Fevers, | 131 | 113 | 110 | 90 | 101 | 86 | 82 | 77 | 86 | 98 | 107 | 138 |
| Diarrhœa, | 25 | 22 | 36 | 25 | 28 | 29 | 201 | 311 | 131 | 71 | 40 | 25 |
| Dysentery, | 3 | 6 | 3 | 7 | 8 | 4 | 10 | 29 | 12 | 4 | 6 | 6 |
| Cholera, | 1 | 1 | — | 2 | — | — | 24 | 32 | 10 | 5 | 1 | 2 |
| Consumption, | 284 | 268 | 341 | 312 | 325 | 320 | 301 | 287 | 228 | 235 | 232 | 269 |
| Diseases Respiratory Organs, | 522 | 381 | 392 | 414 | 348 | 358 | 240 | 271 | 230 | 364 | 511 | 580 |
| Heart, etc., Diseases, | 121 | 95 | 101 | 103 | 98 | 103 | 71 | 64 | 97 | 85 | 110 | 115 |
| Brain, etc., Diseases, | 173 | 178 | 223 | 193 | 174 | 162 | 212 | 194 | 167 | 177 | 191 | 210 |
| Debility & Premature Birth, | 134 | 119 | 119 | 103 | 129 | 116 | 145 | 140 | 110 | 110 | 119 | 117 |
| Age, | 118 | 100 | 101 | 97 | 107 | 91 | 84 | 84 | 85 | 71 | 108 | 132 |

fell to 630 in September. It has before been stated, that of the individual diseases, the bowel complaints, viz. diarrhœa, dysentery, and cholera, seem to be most under the influence of excess of temperature; but as diarrhœa takes from two to three weeks to prove fatal, the death is often registered during the succeeding month, though the high temperature which induced the disease occurred three or four weeks before the death. Few deaths from these complaints are therefore registered during the first month of the warm weather. Accordingly, June had only 33 deaths assigned to these bowel complaints in the Eight Towns; but July had 235 deaths, and August 372 deaths from these bowel complaints. The cooler weather during September allowed the deaths from these diseases to fall to 153; and they dwindled down to 80 in October, and 47 in November.

The first advent of really warm weather, during the past year, greatly increased the deaths from Measles and from Hooping-cough; but the continuance of the warm weather rapidly diminished the mortality, so that we must conclude that these diseases are under quite a different law from that which regulates the mortality of the bowel complaints. Thus, in the Eight Towns the deaths from Measles numbered 89 in April, but increased to 116 in May, and attained the highest mortality in June, when the deaths therefrom numbered 122. Though July and August were much warmer months than June, the mortality from Measles rapidly diminished, so that only 87 deaths occurred in July, 55 in August, and 37 in September.

Hooping-cough showed so far a similar peculiarity. When the cold easterly winds began to blow in March, the deaths from Hooping-cough in the Eight Towns, which numbered 87 during February, increased in March to 155, but under the influence of the spring weather fell to 145 during April, and to 131 deaths during May. During the high temperature of June, however, the deaths from Hooping-cough rose to 165, the highest they had been during any month of the year; but instead of increasing during the much warmer months of July and August, they rapidly fell, numbering 135 deaths in July, 121 in August, and 92 in September—the lowest number of deaths from Hooping-cough during any month of the year.

It is a remarkable fact, that the deaths from Consumption seem to be more under the influence of the cold, arid, easterly winds than under temperature itself. Thus, year after year, the greatest number of deaths from Consumption are neither during the warmest nor the coldest months, but during those months when the east winds are the prevalent aërial currents over Scotland, viz. the months of March, April, May, and June. Thus, while the deaths from Consumption numbered 284 in January, the coldest month, they rose to 341 in March, 312 in April, 325 in May, and 320 in June; after this they fell to the minimum, viz. 228 deaths in September.

VACCINATION IN SCOTLAND, 1867.

This is the Fourth Report having reference to the vaccination of children in Scotland, and it shows what proportion of the children whose births were registered in Scotland during the year 1867 were vaccinated according to the provisions of the Act 26 and 27 Vict. c. 108. By the provisions of that Act, a large proportion of those children must have been vaccinated in 1868, so that the Report relative to the vaccination of the children registered during any year must always be one year behind that which has reference to the births, deaths, and marriages.

From the vaccination returns just received, it would appear that, of the 114,181* children whose births were entered on the Registers in 1867, 101,139, or 88·578 per cent., were successfully vaccinated; 670, or 0·587 per cent., had their vaccination postponed from bad health or other causes; 400, or 0·350, were found to be insusceptible of vaccination—233 from constitutional insusceptibility, 16 from having previously had Small-pox, and 151 from having been previously vaccinated; 9335, or 8·193 per cent., died before they could be vaccinated; and 2617, or 2·292 per cent., had removed from the district before vaccination could be enforced, or were otherwise not accounted for. (Table XVII.)

To show the true proportion, however, of living children who were

TABLE XVII.—VACCINATIONS, 1867. Particulars relating to the Vaccination of the Children whose Births were registered in Scotland during the year 1867.

| | Successfully Vaccinated. | Vaccination Postponed. | Insusceptible of Vaccination. | | | DIED before Vaccination. | Removed from District before Vaccination, or otherwise not accounted for. | TOTAL BIRTHS. |
|------------------------|--------------------------|------------------------|---------------------------------------|----------------------------|---|--------------------------|---|---------------|
| | | | From Constitutional Insusceptibility. | From having had Small-pox. | From having been previously Vaccinated. | | | |
| Number . | 101,139 | 670 | 233 | 16 | 151 | 9355 | 2617 | 114,181 |
| Proportion } per-cent. | 88·578 | 0·587 | 0·204 | 0·014 | 0·132 | 8·193 | 2·292 | 100·000 |

TABLE XVIII.—VACCINATIONS, 1867. Particulars relating to the Vaccination of Children registered in Scotland in 1867, deducting those who died before they could be vaccinated.

| | Successfully Vaccinated. | Vaccination Postponed. | Insusceptible of Vaccination. | | | Removed from District before Vaccination, or otherwise not accounted for. | TOTAL LIVING. |
|------------------------|--------------------------|------------------------|---------------------------------------|----------------------------|---|---|---------------|
| | | | From Constitutional Insusceptibility. | From having had Small-pox. | From having been previously Vaccinated. | | |
| Number . . . | 101,139 | 670 | 233 | 16 | 151 | 2617 | 104,826 |
| Proportion } per-cent. | 96·483 | 0·639 | 0·222 | 0·015 | 0·144 | 2·496 | 100·000 |

* The slight discrepancy between the number of births as here given, and that published in the Thirteenth Annual Report of the Registrar-General, arises from some of the Registrars having included the transcript Births.

protected by vaccination during that year, we ought to deduct all those who died before vaccination could be performed according to the provisions of the Act. Table XVIII. is drawn up with the view of showing this fact. The children who survived till the age when vaccination could be performed numbered 104,826. Of that number, 101,139, being 96·483 per cent., were successfully vaccinated; 670, being 0·639 per cent., had their vaccination postponed; 400, being 0·381 per cent., were found to be insusceptible of vaccination; while 2617, being 2·496 per cent., had removed from the district before vaccination could be enforced, or were otherwise not accounted for. This would give a total of 102,209 surviving children of 1867, or 97·504 per cent., protected, as far as may be, from the ravages of Small-pox. This is a most gratifying result, as it is a slightly higher proportion than that of previous years, and it proves how fully the statute has been carried into effect, and also that the people are doing all in their power to aid the authorities in carrying out its provisions.

Knowing that Small-pox, like all other epidemic diseases, has its periods of increase and decline, we have hitherto hesitated to draw the conclusion, that the great decrease in the deaths from Small-pox in Scotland was owing to the successful working of the Vaccination Act. The Act seems, however, to have been long enough in operation in Scotland to warrant the conclusion that it has been a great success. While Small-pox has been ravaging England, and while even, during the past year, 607 deaths from Small-pox occurred in London alone, and 1332 deaths in 1867, it is believed that only 124 deaths from Small-pox occurred in Scotland in 1867, and not more than 25 deaths in 1868. In fact, Small-pox seems to be as nearly extinguished in Scotland as the present Vaccination Act could allow it to be. It must be remembered that a considerable proportion of the adult population—particularly of the Irish settlers—is unprotected by vaccination, and the Act makes no provision for the vaccination of adults; while six months after birth are allowed before the vaccination of the child can be enforced. It is the very young child which is especially liable to be affected with Small-pox; and could the term for vaccination be reduced to four, or even to three months, so that the child could be vaccinated before the irritation of teething commences, a higher proportion still of children would be protected against Small-pox, and that loathsome disease would be still more thoroughly extinguished.

Table XIX. shows the deaths from Small-pox in Scotland during the fourteen years 1855–1868 inclusive, from which it will be seen that never before in Scotland has Small-pox been so infrequent as during the two

TABLE XIX.—Deaths from Small-pox in Scotland 1855–1868 inclusive.

| YEARS. | Small-pox Deaths. | YEARS. | Small-pox Deaths. |
|--------|-------------------|--------|-------------------|
| 1855 | 1309 | 1862 | 426 |
| 1856 | 1306 | 1863 | 1646 |
| 1857 | 845 | 1864 | 1741 |
| 1858 | 332 | 1865 | 175 |
| 1859 | 682 | 1866 | 200 |
| 1860 | 1495 | 1867 | 124* |
| 1861 | 766 | 1868 | 25* |

* Estimated from the ascertained Small-pox deaths in the Eight Principal Towns, as compared with the total Small-pox deaths in all Scotland during the years from 1855–64.

past years—indeed, it may be questioned whether, within the historical period, so few died from Small-pox during any year in Scotland as during the past year.

A large number of the Registrars have appended notes to their returns, relative to the working of the Vaccination Act in their districts. Extracts from several of these are given in the Appendix; but as, in former Reports, remarks and suggestions were made relative to many of the points they notice, it has not been deemed necessary again to enlarge on these.

I have the honour to be,

SIR,

Your most obedient Servant,

JAMES STARK.

GENERAL REGISTRY OFFICE OF BIRTHS, ETC.,
EDINBURGH, *3rd March 1869.*

BIRTHS

REGISTERED IN SCOTLAND DURING EACH MONTH OF THE YEAR 1868.

| | | POPULATION. | BIRTHS. | | | | | | | | | | | | | | | | | |
|---------------------|--------------------|-------------|---------|------|-------|-------|-------|-------|------|------|------|------|------|------|---------------|-------|-------|----------------------|--|--|
| | | 1861 | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Total Births. | Males | Fem. | Total Illeg. Births. | | |
| SCOTLAND, | | 3,062,291 | 9579 | 9145 | 10012 | 10242 | 10442 | 10341 | 9858 | 9341 | 9194 | 9613 | 8561 | 9345 | 115673 | 59375 | 56298 | 11260 | | |
| DIVISIONS. | | | | | | | | | | | | | | | | | | | | |
| 1 | NORTHERN, | 130,422 | 277 | 241 | 281 | 228 | 296 | 263 | 286 | 261 | 292 | 313 | 261 | 277 | 3276 | 1695 | 1581 | 207 | | |
| 2 | NORTH-WESTERN, | 167,329 | 376 | 370 | 360 | 345 | 339 | 339 | 418 | 397 | 414 | 399 | 360 | 437 | 4554 | 2339 | 2215 | 277 | | |
| 3 | NORTH-EASTERN, | 366,783 | 1183 | 1008 | 1117 | 1128 | 1115 | 1078 | 1034 | 1065 | 1054 | 1105 | 950 | 1094 | 12931 | 6691 | 6240 | 1972 | | |
| 4 | EAST-MIDLAND, | 523,822 | 1529 | 1454 | 1554 | 1545 | 1751 | 1703 | 1620 | 1558 | 1524 | 1567 | 1363 | 1456 | 18624 | 9582 | 9042 | 1942 | | |
| 5 | WEST-MIDLAND, | 242,507 | 653 | 660 | 732 | 765 | 771 | 765 | 680 | 652 | 670 | 688 | 544 | 633 | 8213 | 4249 | 3964 | 614 | | |
| 6 | SOUTH-WESTERN, | 1,008,253 | 3695 | 3636 | 3984 | 4192 | 4069 | 4142 | 3852 | 3554 | 3465 | 3648 | 3296 | 3554 | 45087 | 23076 | 22011 | 3847 | | |
| 7 | SOUTH-EASTERN, | 408,962 | 1350 | 1240 | 1438 | 1417 | 1471 | 1496 | 1396 | 1288 | 1247 | 1360 | 1280 | 1338 | 16321 | 8402 | 7919 | 1414 | | |
| 8 | SOUTHERN, | 214,216 | 516 | 536 | 546 | 622 | 630 | 555 | 572 | 566 | 528 | 533 | 507 | 556 | 6667 | 3341 | 3326 | 992 | | |
| I. NORTHERN. | | | | | | | | | | | | | | | | | | | | |
| 1 | Shetland, | 31,670 | 61 | 53 | 69 | 32 | 68 | 65 | 58 | 80 | 74 | 85 | 79 | 57 | 781 | 412 | 369 | 32 | | |
| 2 | Orkney, | 32,395 | 74 | 64 | 68 | 73 | 72 | 65 | 66 | 68 | 62 | 72 | 59 | 76 | 819 | 420 | 399 | 40 | | |
| 3 | Caithness, | 42,200 | 98 | 85 | 105 | 94 | 118 | 88 | 114 | 78 | 101 | 103 | 87 | 100 | 1176 | 606 | 570 | 97 | | |
| 4 | Sutherland, | 24,157 | 44 | 39 | 39 | 29 | 38 | 45 | 48 | 35 | 55 | 48 | 36 | 44 | 500 | 257 | 243 | 38 | | |
| II. NORTH-WESTERN. | | | | | | | | | | | | | | | | | | | | |
| 5 | Ross and Cromarty, | 82,427 | 184 | 159 | 170 | 150 | 144 | 154 | 222 | 207 | 212 | 181 | 177 | 218 | 2178 | 1089 | 1089 | 99 | | |
| 6 | Inverness, | 84,902 | 192 | 211 | 190 | 195 | 195 | 185 | 196 | 190 | 202 | 218 | 183 | 219 | 2376 | 1250 | 1126 | 178 | | |
| III. NORTH-EASTERN. | | | | | | | | | | | | | | | | | | | | |
| 7 | Nairn, | 8,347 | 16 | 19 | 18 | 21 | 12 | 20 | 28 | 25 | 23 | 25 | 19 | 16 | 242 | 120 | 122 | 24 | | |
| 8 | Elgin (or Moray), | 44,218 | 162 | 122 | 104 | 120 | 121 | 119 | 105 | 127 | 99 | 125 | 104 | 112 | 1420 | 749 | 671 | 198 | | |
| 9 | Banff, | 56,020 | 171 | 159 | 171 | 158 | 160 | 162 | 134 | 138 | 157 | 185 | 138 | 159 | 1892 | 959 | 933 | 325 | | |
| 0 | Aberdeen, | 223,474 | 742 | 605 | 736 | 727 | 728 | 670 | 673 | 685 | 680 | 669 | 607 | 713 | 8235 | 4284 | 3951 | 1250 | | |
| 1 | Kincardine, | 34,724 | 92 | 103 | 88 | 102 | 94 | 107 | 94 | 90 | 95 | 101 | 82 | 94 | 1142 | 579 | 563 | 175 | | |
| IV. EAST-MIDLAND. | | | | | | | | | | | | | | | | | | | | |
| 2 | Forfar, | 206,750 | 683 | 643 | 741 | 716 | 795 | 782 | 759 | 728 | 670 | 730 | 652 | 695 | 8594 | 4376 | 4218 | 1007 | | |
| 3 | Perth, | 133,198 | 302 | 291 | 320 | 324 | 361 | 377 | 317 | 325 | 302 | 309 | 250 | 279 | 3757 | 1956 | 1801 | 411 | | |
| 4 | Fife, | 155,021 | 470 | 450 | 419 | 421 | 499 | 469 | 448 | 441 | 481 | 450 | 391 | 407 | 5346 | 2752 | 2594 | 435 | | |
| 5 | Kinross, | 8,731 | 16 | 14 | 14 | 13 | 20 | 18 | 21 | 16 | 24 | 16 | 16 | 17 | 205 | 109 | 96 | 21 | | |
| 6 | Clackmannan, | 20,122 | 58 | 56 | 60 | 71 | 76 | 57 | 75 | 48 | 47 | 62 | 54 | 58 | 722 | 389 | 333 | 69 | | |
| V. WEST-MIDLAND. | | | | | | | | | | | | | | | | | | | | |
| 7 | Stirling, | 88,138 | 273 | 280 | 314 | 318 | 358 | 311 | 299 | 268 | 302 | 301 | 219 | 246 | 3489 | 1822 | 1667 | 273 | | |
| 8 | Dumbarton, | 54,179 | 172 | 165 | 201 | 228 | 184 | 206 | 189 | 170 | 160 | 173 | 157 | 184 | 2189 | 1143 | 1046 | 153 | | |
| 9 | Argyll, | 83,859 | 181 | 173 | 181 | 189 | 196 | 202 | 173 | 176 | 165 | 179 | 142 | 175 | 2132 | 1077 | 1055 | 159 | | |
| 0 | Bute, | 16,331 | 27 | 42 | 36 | 30 | 33 | 46 | 19 | 38 | 43 | 35 | 26 | 28 | 403 | 207 | 196 | 29 | | |
| VI. SOUTH-WESTERN. | | | | | | | | | | | | | | | | | | | | |
| 1 | Renfrew, | 168,746 | 556 | 613 | 635 | 664 | 690 | 696 | 617 | 572 | 538 | 565 | 538 | 567 | 7251 | 3693 | 3558 | 534 | | |
| 2 | Ayr, | 199,063 | 614 | 694 | 699 | 729 | 674 | 676 | 587 | 607 | 616 | 624 | 550 | 576 | 7646 | 3913 | 3733 | 703 | | |
| 3 | Lanark, | 640,444 | 2525 | 2329 | 2650 | 2799 | 2705 | 2770 | 2648 | 2375 | 2311 | 2459 | 2208 | 2411 | 30190 | 15470 | 14720 | 2610 | | |
| VII. SOUTH-EASTERN. | | | | | | | | | | | | | | | | | | | | |
| 4 | Linlithgow, | 39,045 | 144 | 169 | 169 | 154 | 158 | 147 | 154 | 148 | 142 | 137 | 148 | 144 | 1814 | 936 | 878 | 138 | | |
| 5 | Edinburgh, | 274,093 | 957 | 827 | 962 | 974 | 1005 | 1081 | 952 | 855 | 850 | 948 | 880 | 921 | 11212 | 5786 | 5426 | 966 | | |
| 6 | Haddington, | 37,626 | 100 | 84 | 105 | 103 | 115 | 114 | 112 | 104 | 108 | 99 | 94 | 98 | 1236 | 672 | 564 | 105 | | |
| 7 | Berwick, | 36,488 | 97 | 94 | 120 | 119 | 110 | 77 | 114 | 96 | 95 | 95 | 93 | 98 | 1208 | 569 | 639 | 136 | | |
| 8 | Peebles, | 11,300 | 23 | 28 | 40 | 35 | 35 | 42 | 20 | 37 | 21 | 43 | 26 | 29 | 379 | 193 | 186 | 28 | | |
| 9 | Selkirk, | 10,410 | 29 | 38 | 42 | 32 | 48 | 35 | 44 | 48 | 31 | 38 | 39 | 48 | 472 | 246 | 226 | 41 | | |
| VIII. SOUTHERN. | | | | | | | | | | | | | | | | | | | | |
| 0 | Roxburgh, | 53,722 | 132 | 136 | 160 | 154 | 179 | 159 | 135 | 158 | 144 | 132 | 148 | 146 | 1783 | 901 | 882 | 202 | | |
| 1 | Dumfries, | 75,904 | 173 | 189 | 203 | 234 | 226 | 193 | 217 | 197 | 189 | 198 | 172 | 191 | 2382 | 1166 | 1216 | 367 | | |
| 2 | Kirkeudbright, | 42,745 | 123 | 131 | 99 | 122 | 117 | 109 | 118 | 118 | 100 | 94 | 78 | 118 | 1327 | 685 | 642 | 230 | | |
| 3 | Wigtown, | 41,845 | 88 | 80 | 84 | 112 | 108 | 94 | 102 | 93 | 95 | 109 | 109 | 101 | 1175 | 589 | 586 | 193 | | |

DEATHS

REGISTERED IN SCOTLAND DURING EACH MONTH OF THE YEAR 1868.

| | | POPULATION. | DEATHS. | | | | | | | | | | | | | | Total Deaths. | Males | Fem. |
|---------------------|--------------------------|-------------|---------|------|------|------|------|------|------|------|------|------|------|------|-------|-------|---------------|-------|------|
| | | 1861 | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | | | | | |
| SCOTLAND, - | | 3,062,294 | 6320 | 5683 | 6033 | 5754 | 5665 | 5509 | 5635 | 5851 | 5176 | 5427 | 5730 | 6603 | 69386 | 34673 | 34713 | | |
| DIVISIONS. | | | | | | | | | | | | | | | | | | | |
| 1 | NORTHERN, . . . | 130,422 | 171 | 148 | 162 | 182 | 166 | 160 | 154 | 123 | 115 | 124 | 127 | 170 | 1802 | 850 | 952 | | |
| 2 | NORTH-WESTERN, . . . | 167,329 | 245 | 222 | 210 | 264 | 210 | 193 | 184 | 186 | 219 | 192 | 180 | 245 | 2550 | 1232 | 1318 | | |
| 3 | NORTH-EASTERN, . . . | 366,783 | 640 | 566 | 591 | 550 | 533 | 571 | 520 | 524 | 452 | 482 | 546 | 658 | 6633 | 3318 | 3315 | | |
| 4 | EAST-MIDLAND, . . . | 523,822 | 970 | 942 | 973 | 916 | 950 | 853 | 921 | 992 | 769 | 780 | 850 | 1087 | 11003 | 5366 | 5637 | | |
| 5 | WEST-MIDLAND, . . . | 242,507 | 497 | 445 | 434 | 367 | 391 | 411 | 402 | 403 | 387 | 392 | 473 | 442 | 5044 | 2557 | 2487 | | |
| 6 | SOUTH-WESTERN, . . . | 1,008,253 | 2594 | 2190 | 2454 | 2398 | 2316 | 2252 | 2408 | 2446 | 2052 | 2329 | 2485 | 2733 | 28657 | 14556 | 14101 | | |
| 7 | SOUTH-EASTERN, . . . | 408,962 | 831 | 823 | 860 | 735 | 746 | 751 | 721 | 874 | 864 | 768 | 757 | 910 | 9640 | 4869 | 4771 | | |
| 8 | SOUTHERN, . . . | 214,216 | 372 | 347 | 349 | 342 | 353 | 318 | 325 | 303 | 318 | 360 | 312 | 358 | 4057 | 1925 | 2132 | | |
| I. NORTHERN. | | | | | | | | | | | | | | | | | | | |
| 1 | Shetland, . . . | 31,670 | 44 | 38 | 36 | 43 | 33 | 46 | 36 | 36 | 29 | 28 | 31 | 36 | 436 | 198 | 238 | | |
| 2 | Orkney, . . . | 32,395 | 38 | 33 | 41 | 35 | 41 | 40 | 39 | 27 | 31 | 33 | 31 | 38 | 427 | 178 | 249 | | |
| 3 | Caithness, . . . | 42,200 | 58 | 51 | 51 | 70 | 66 | 53 | 46 | 39 | 36 | 39 | 44 | 59 | 612 | 327 | 285 | | |
| 4 | Sutherland, . . . | 24,157 | 31 | 26 | 34 | 34 | 26 | 21 | 33 | 21 | 19 | 24 | 21 | 37 | 327 | 147 | 180 | | |
| II. NORTH-WESTERN. | | | | | | | | | | | | | | | | | | | |
| 5 | Ross and Cromarty, . . . | 82,427 | 118 | 100 | 102 | 119 | 86 | 95 | 78 | 80 | 79 | 81 | 79 | 113 | 1130 | 529 | 601 | | |
| 6 | Inverness, . . . | 84,902 | 127 | 122 | 108 | 145 | 124 | 98 | 106 | 106 | 140 | 111 | 101 | 132 | 1420 | 703 | 717 | | |
| III. NORTH-EASTERN. | | | | | | | | | | | | | | | | | | | |
| 7 | Nairn, . . . | 8,347 | 17 | 9 | 9 | 7 | 7 | 9 | 6 | 15 | 7 | 14 | 9 | 14 | 123 | 65 | 58 | | |
| 8 | Elgin (or Moray), . . . | 44,218 | 73 | 65 | 64 | 57 | 52 | 53 | 52 | 58 | 52 | 51 | 52 | 74 | 703 | 353 | 350 | | |
| 9 | Banff, . . . | 56,020 | 132 | 100 | 93 | 79 | 70 | 82 | 80 | 63 | 56 | 73 | 74 | 105 | 1007 | 488 | 519 | | |
| 10 | Aberdeen, . . . | 223,474 | 373 | 354 | 379 | 350 | 368 | 390 | 357 | 346 | 286 | 291 | 373 | 406 | 4273 | 2152 | 2121 | | |
| 11 | Kincardine, . . . | 34,724 | 45 | 38 | 46 | 57 | 36 | 37 | 25 | 42 | 51 | 53 | 38 | 59 | 527 | 260 | 267 | | |
| IV. EAST-MIDLAND. | | | | | | | | | | | | | | | | | | | |
| 12 | Forfar, . . . | 206,750 | 416 | 407 | 456 | 442 | 461 | 424 | 451 | 474 | 355 | 347 | 396 | 518 | 5147 | 2487 | 2660 | | |
| 13 | Perth, . . . | 133,198 | 228 | 215 | 204 | 183 | 205 | 184 | 206 | 212 | 150 | 180 | 181 | 264 | 2412 | 1186 | 1226 | | |
| 14 | Fife, . . . | 155,021 | 255 | 266 | 262 | 221 | 236 | 197 | 207 | 253 | 226 | 214 | 228 | 243 | 2808 | 1394 | 1414 | | |
| 15 | Kinross, . . . | 8,731 | 10 | 6 | 4 | 11 | 10 | 6 | 12 | 16 | 9 | 11 | 15 | 17 | 127 | 61 | 66 | | |
| 16 | Clackmannan, . . . | 20,122 | 61 | 48 | 47 | 59 | 38 | 42 | 45 | 37 | 29 | 28 | 30 | 45 | 509 | 238 | 271 | | |
| V. WEST-MIDLAND. | | | | | | | | | | | | | | | | | | | |
| 17 | Stirling, . . . | 88,138 | 185 | 166 | 181 | 150 | 150 | 158 | 139 | 160 | 135 | 164 | 204 | 169 | 1961 | 976 | 985 | | |
| 18 | Dumbarton, . . . | 54,179 | 119 | 94 | 115 | 90 | 100 | 94 | 116 | 110 | 118 | 104 | 114 | 118 | 1292 | 690 | 602 | | |
| 19 | Argyll, . . . | 83,859 | 152 | 157 | 111 | 103 | 107 | 121 | 100 | 96 | 96 | 92 | 126 | 127 | 1388 | 711 | 677 | | |
| 20 | Bute, . . . | 16,331 | 41 | 28 | 27 | 24 | 34 | 38 | 47 | 37 | 38 | 32 | 29 | 28 | 403 | 180 | 223 | | |
| VI. SOUTH-WESTERN. | | | | | | | | | | | | | | | | | | | |
| 21 | Renfrew, . . . | 168,746 | 443 | 334 | 355 | 391 | 418 | 382 | 406 | 430 | 341 | 400 | 447 | 451 | 4798 | 2409 | 2389 | | |
| 22 | Ayr, . . . | 199,063 | 368 | 309 | 330 | 342 | 305 | 303 | 299 | 338 | 275 | 299 | 277 | 364 | 3809 | 1939 | 1870 | | |
| 23 | Lanark, . . . | 640,444 | 1783 | 1547 | 1769 | 1665 | 1593 | 1567 | 1703 | 1678 | 1436 | 1630 | 1761 | 1918 | 20050 | 10208 | 9842 | | |
| VII. SOUTH-EASTERN. | | | | | | | | | | | | | | | | | | | |
| 24 | Linlithgow, . . . | 39,045 | 70 | 76 | 74 | 57 | 51 | 60 | 61 | 67 | 70 | 62 | 59 | 69 | 776 | 380 | 396 | | |
| 25 | Edinburgh, . . . | 274,093 | 605 | 585 | 641 | 552 | 546 | 565 | 551 | 679 | 654 | 585 | 594 | 701 | 7258 | 3676 | 3582 | | |
| 26 | Haddington, . . . | 37,626 | 59 | 60 | 56 | 50 | 55 | 47 | 47 | 61 | 53 | 55 | 45 | 58 | 651 | 325 | 326 | | |
| 27 | Berwick, . . . | 36,488 | 50 | 53 | 43 | 40 | 50 | 39 | 37 | 34 | 48 | 41 | 35 | 49 | 519 | 264 | 255 | | |
| 28 | Peebles, . . . | 11,300 | 21 | 21 | 13 | 15 | 21 | 9 | 10 | 14 | 18 | 13 | 6 | 14 | 175 | 100 | 75 | | |
| 29 | Selkirk, . . . | 10,410 | 26 | 28 | 33 | 21 | 23 | 31 | 15 | 19 | 16 | 12 | 18 | 19 | 261 | 124 | 137 | | |
| VIII. SOUTHERN. | | | | | | | | | | | | | | | | | | | |
| 30 | Roxburgh, . . . | 53,722 | 91 | 90 | 90 | 70 | 76 | 92 | 77 | 69 | 77 | 92 | 67 | 72 | 963 | 460 | 503 | | |
| 31 | Dumfries, . . . | 75,904 | 140 | 134 | 103 | 134 | 128 | 117 | 132 | 108 | 96 | 103 | 104 | 122 | 1421 | 672 | 749 | | |
| 32 | Kirkcudbright, . . . | 42,745 | 80 | 62 | 74 | 67 | 78 | 56 | 71 | 70 | 75 | 70 | 64 | 90 | 857 | 397 | 460 | | |
| 33 | Wigtown, . . . | 41,845 | 61 | 61 | 82 | 71 | 71 | 53 | 45 | 56 | 70 | 95 | 77 | 74 | 816 | 396 | 420 | | |

MARRIAGES

REGISTERED IN SCOTLAND DURING EACH MONTH OF THE YEAR 1868.

| | POPULATION. | | MARRIAGES. | | | | | | | | | | | | | |
|--------------------------|-------------|-----------|------------|------|------|------|-----|------|------|------|------|------|------|------|-------|--|
| | 1851 | 1861 | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Total | |
| SCOTLAND, - | 2,888,742 | 3,062,294 | 2654 | 1385 | 1248 | 1331 | 999 | 3330 | 2078 | 1351 | 1275 | 1424 | 2183 | 2595 | 21853 | |
| DIVISIONS. | | | | | | | | | | | | | | | | |
| NORTHERN, . . . | 127,035 | 130,422 | 67 | 65 | 31 | 33 | 44 | 48 | 22 | 26 | 21 | 34 | 74 | 94 | 559 | |
| NORTH-WESTERN, . . . | 175,735 | 167,329 | 116 | 92 | 60 | 50 | 30 | 75 | 39 | 26 | 23 | 35 | 52 | 104 | 702 | |
| NORTH-EASTERN, . . . | 348,366 | 366,783 | 200 | 162 | 118 | 112 | 146 | 418 | 182 | 135 | 125 | 193 | 232 | 415 | 2438 | |
| EAST-MIDLAND, . . . | 515,966 | 523,822 | 451 | 207 | 178 | 205 | 196 | 567 | 242 | 204 | 204 | 192 | 416 | 439 | 3501 | |
| WEST-MIDLAND, . . . | 241,447 | 242,507 | 178 | 75 | 79 | 85 | 60 | 205 | 142 | 90 | 82 | 68 | 129 | 180 | 1373 | |
| SOUTH-WESTERN, . . . | 881,092 | 1,008,253 | 1139 | 519 | 502 | 526 | 310 | 1175 | 1058 | 563 | 540 | 580 | 847 | 800 | 8559 | |
| SOUTH-EASTERN, . . . | 383,217 | 408,962 | 412 | 190 | 205 | 232 | 162 | 656 | 301 | 244 | 205 | 227 | 321 | 378 | 3533 | |
| SOUTHERN, . . . | 215,884 | 214,216 | 91 | 75 | 75 | 88 | 51 | 186 | 92 | 63 | 75 | 95 | 112 | 185 | 1188 | |
| I. NORTHERN. | | | | | | | | | | | | | | | | |
| Shetland, . . . | 31,078 | 31,670 | 25 | 21 | 5 | 2 | 6 | 8 | 2 | 10 | 7 | 5 | 25 | 23 | 149 | |
| Orkney, . . . | 31,455 | 32,395 | 14 | 17 | 12 | 14 | 15 | 13 | 5 | 8 | 4 | 11 | 25 | 15 | 153 | |
| Caithness, . . . | 39,782 | 42,200 | 18 | 13 | 7 | 13 | 19 | 19 | 12 | 6 | 8 | 15 | 15 | 35 | 180 | |
| Sutherland, . . . | 24,720 | 24,157 | 10 | 14 | 7 | 4 | 4 | 8 | 3 | 2 | 2 | 3 | 9 | 11 | 77 | |
| II. NORTH-WESTERN. | | | | | | | | | | | | | | | | |
| Ross and Cromarty, . . . | 83,781 | 82,427 | 59 | 55 | 36 | 32 | 14 | 40 | 13 | 12 | 9 | 17 | 21 | 55 | 363 | |
| Inverness, . . . | 91,954 | 84,902 | 57 | 37 | 24 | 18 | 16 | 35 | 26 | 14 | 14 | 18 | 31 | 49 | 339 | |
| III. NORTH-EASTERN. | | | | | | | | | | | | | | | | |
| Nairn, . . . | 8,076 | 8,347 | 1 | 2 | 1 | 2 | 2 | 8 | 7 | 3 | 5 | 3 | 6 | 8 | 48 | |
| Elgin (or Moray), . . . | 40,532 | 44,218 | 14 | 14 | 8 | 7 | 22 | 42 | 21 | 19 | 14 | 20 | 15 | 49 | 245 | |
| Banff, . . . | 51,353 | 56,020 | 23 | 26 | 14 | 8 | 12 | 42 | 17 | 13 | 17 | 33 | 40 | 53 | 298 | |
| Aberdeen, . . . | 213,591 | 223,474 | 146 | 103 | 85 | 85 | 96 | 286 | 121 | 86 | 79 | 112 | 153 | 265 | 1617 | |
| Kincardine, . . . | 34,814 | 34,724 | 16 | 17 | 10 | 10 | 14 | 40 | 16 | 14 | 10 | 25 | 18 | 40 | 230 | |
| IV. EAST-MIDLAND. | | | | | | | | | | | | | | | | |
| Forfar, . . . | 193,627 | 206,750 | 203 | 95 | 83 | 74 | 94 | 298 | 112 | 89 | 100 | 100 | 152 | 198 | 1598 | |
| Perth, . . . | 137,369 | 133,198 | 86 | 40 | 37 | 57 | 41 | 116 | 50 | 45 | 49 | 36 | 85 | 112 | 754 | |
| Fife, . . . | 153,789 | 155,021 | 139 | 62 | 51 | 64 | 58 | 129 | 67 | 56 | 50 | 50 | 148 | 112 | 986 | |
| Kinross, . . . | 9,626 | 8,731 | 2 | 3 | 2 | 1 | 0 | 4 | 4 | 2 | 0 | 2 | 11 | 4 | 36 | |
| Clackmannan, . . . | 21,555 | 20,122 | 21 | 7 | 5 | 9 | 3 | 20 | 9 | 11 | 5 | 4 | 20 | 13 | 127 | |
| V. WEST-MIDLAND. | | | | | | | | | | | | | | | | |
| Stirling, . . . | 83,802 | 88,138 | 85 | 32 | 37 | 36 | 25 | 94 | 52 | 41 | 41 | 25 | 50 | 75 | 593 | |
| Dumbarton, . . . | 46,995 | 54,179 | 39 | 15 | 17 | 18 | 18 | 61 | 51 | 21 | 20 | 28 | 39 | 38 | 365 | |
| Argyll, . . . | 94,042 | 83,859 | 50 | 22 | 23 | 25 | 16 | 40 | 33 | 22 | 15 | 11 | 30 | 52 | 339 | |
| Bute, . . . | 16,608 | 16,331 | 4 | 6 | 2 | 6 | 1 | 10 | 6 | 6 | 6 | 4 | 10 | 15 | 76 | |
| VI. SOUTH-WESTERN. | | | | | | | | | | | | | | | | |
| Renfrew, . . . | 157,950 | 168,746 | 172 | 95 | 76 | 74 | 47 | 190 | 191 | 112 | 114 | 105 | 130 | 106 | 1412 | |
| Glasgow, . . . | 189,973 | 199,063 | 183 | 85 | 91 | 96 | 43 | 222 | 110 | 108 | 71 | 105 | 137 | 173 | 1424 | |
| Dunbarton, . . . | 533,169 | 640,444 | 784 | 339 | 335 | 356 | 220 | 763 | 757 | 343 | 355 | 370 | 580 | 521 | 5723 | |
| VII. SOUTH-EASTERN. | | | | | | | | | | | | | | | | |
| Edinburgh, . . . | 30,590 | 39,045 | 44 | 30 | 13 | 15 | 6 | 49 | 25 | 16 | 11 | 10 | 32 | 32 | 283 | |
| Leith, . . . | 259,493 | 274,093 | 307 | 125 | 159 | 170 | 122 | 491 | 227 | 200 | 175 | 183 | 243 | 282 | 2684 | |
| Waddington, . . . | 36,363 | 37,626 | 22 | 15 | 12 | 18 | 15 | 49 | 19 | 11 | 9 | 13 | 30 | 26 | 239 | |
| Perth, . . . | 36,165 | 36,488 | 21 | 14 | 9 | 21 | 13 | 35 | 19 | 7 | 7 | 10 | 9 | 18 | 183 | |
| Greenock, . . . | 10,804 | 11,300 | 6 | 0 | 6 | 3 | 3 | 15 | 6 | 7 | 2 | 5 | 4 | 6 | 63 | |
| Glasgow, . . . | 9,802 | 10,410 | 12 | 6 | 6 | 5 | 3 | 17 | 5 | 3 | 1 | 6 | 3 | 14 | 81 | |
| VIII. SOUTHERN. | | | | | | | | | | | | | | | | |
| Perth, . . . | 51,225 | 53,722 | 22 | 23 | 24 | 25 | 12 | 47 | 24 | 16 | 11 | 29 | 25 | 60 | 318 | |
| Stirling, . . . | 78,149 | 75,904 | 36 | 28 | 38 | 34 | 24 | 72 | 39 | 23 | 27 | 28 | 46 | 64 | 459 | |
| Perth, . . . | 43,371 | 42,745 | 12 | 8 | 7 | 20 | 8 | 41 | 16 | 10 | 22 | 19 | 22 | 30 | 215 | |
| Perth, . . . | 43,139 | 41,845 | 21 | 16 | 6 | 9 | 7 | 26 | 13 | 14 | 15 | 19 | 19 | 31 | 196 | |

VACCINATIONS IN SCOTLAND—1867.

| | | Success- fully Vacci- nated. | Vacci- nation Post- poned. | Insusceptible of Vaccine Disease. | | | Died before Vacci- nation. | Removed from District before Vaccina- tion, or otherwise unaccount- ed for. | Total. |
|----|---------------------------|---------------------------------------|-------------------------------------|--|--|--|-------------------------------------|---|--------|
| | | | | On the ground of Constitu- tional Insuscep- tibility. | In respect of the children having already had Small-pox. | On the ground of previous Successful Vaccina- tion. | | | |
| | SCOTLAND, - | 101139 | 670 | 233 | 16 | 151 | 9355 | 2617 | 114181 |
| | DIVISIONS. | | | | | | | | |
| 1 | NORTHERN, . . . | 2887 | 117 | 23 | 0 | 11 | 174 | 134 | 3316 |
| 2 | NORTH-WESTERN, . . . | 3667 | 201 | 51 | 1 | 0 | 373 | 123 | 4116 |
| 3 | NORTH-EASTERN, . . . | 11824 | 53 | 28 | 0 | 7 | 802 | 54 | 12768 |
| 4 | EAST-MIDLAND, . . . | 16760 | 54 | 35 | 1 | 8 | 1535 | 281 | 18674 |
| 5 | WEST-MIDLAND, . . . | 7205 | 63 | 20 | 0 | 10 | 566 | 166 | 8630 |
| 6 | SOUTH-WESTERN, . . . | 38985 | 84 | 35 | 12 | 104 | 3991 | 1377 | 41585 |
| 7 | SOUTH-EASTERN, . . . | 13978 | 52 | 20 | 2 | 5 | 1368 | 411 | 15836 |
| 8 | SOUTHERN, . . . | 5833 | 46 | 21 | 0 | 6 | 546 | 71 | 6523 |
| | I. NORTHERN. | | | | | | | | |
| 1 | Shetland, | 664 | 35 | 7 | 0 | 9 | 49 | 96 | 860 |
| 2 | Orkney, | 732 | 14 | 2 | 0 | 1 | 25 | 7 | 781 |
| 3 | Caithness, | 1021 | 60 | 12 | 0 | 0 | 70 | 11 | 1174 |
| 4 | Sutherland, | 470 | 8 | 2 | 0 | 1 | 30 | 20 | 531 |
| | II. NORTH-WESTERN. | | | | | | | | |
| 5 | Ross and Cromarty, . . . | 1813 | 110 | 40 | 1 | 0 | 181 | 40 | 2185 |
| 6 | Inverness, | 1854 | 91 | 11 | 0 | 0 | 192 | 83 | 2231 |
| | III. NORTH-EASTERN. | | | | | | | | |
| 7 | Nairn, | 214 | 3 | 1 | 0 | 0 | 20 | 4 | 242 |
| 8 | Elgin or Moray, | 1252 | 19 | 5 | 0 | 0 | 91 | 7 | 1374 |
| 9 | Banff, | 1741 | 8 | 8 | 0 | 0 | 112 | 8 | 1877 |
| 10 | Aberdeen, | 7561 | 19 | 12 | 0 | 7 | 533 | 33 | 8165 |
| 11 | Kincardine, | 1056 | 4 | 2 | 0 | 0 | 46 | 2 | 1110 |
| | IV. EAST-MIDLAND. | | | | | | | | |
| 12 | Forfar, | 7572 | 12 | 21 | 0 | 6 | 810 | 151 | 8572 |
| 13 | Perth, | 3317 | 20 | 10 | 1 | 1 | 265 | 60 | 3674 |
| 14 | Fife, | 4993 | 21 | 3 | 0 | 1 | 377 | 61 | 5456 |
| 15 | Kinross, | 213 | 1 | 0 | 0 | 0 | 14 | 2 | 230 |
| 16 | Clackmannan, | 665 | 0 | 1 | 0 | 0 | 69 | 7 | 742 |
| | V. WEST-MIDLAND. | | | | | | | | |
| 17 | Stirling, | 3115 | 19 | 4 | 0 | 0 | 239 | 32 | 3469 |
| 18 | Dumbarton, | 1814 | 6 | 4 | 0 | 6 | 170 | 44 | 2044 |
| 19 | Argyll, | 1899 | 35 | 10 | 0 | 1 | 122 | 81 | 2148 |
| 20 | Bute, | 377 | 3 | 2 | 0 | 3 | 35 | 9 | 429 |
| | VI. SOUTH-WESTERN. | | | | | | | | |
| 21 | Renfrew, | 6116 | 16 | 8 | 1 | 20 | 678 | 213 | 7052 |
| 22 | Ayr, | 6876 | 18 | 5 | 2 | 2 | 587 | 92 | 7582 |
| 23 | Lanark, | 25993 | 50 | 22 | 9 | 82 | 2726 | 1072 | 29954 |
| | VII. SOUTH-EASTERN. | | | | | | | | |
| 24 | Linlithgow, | 1658 | 6 | 1 | 0 | 0 | 144 | 57 | 1866 |
| 25 | Edinburgh, | 9446 | 28 | 13 | 2 | 4 | 967 | 308 | 10768 |
| 26 | Haddington, | 1063 | 7 | 3 | 0 | 0 | 103 | 21 | 1197 |
| 27 | Berwick, | 1038 | 4 | 1 | 0 | 1 | 81 | 10 | 1135 |
| 28 | Peebles, | 350 | 6 | 1 | 0 | 0 | 27 | 14 | 398 |
| 29 | Selkirk, | 423 | 1 | 1 | 0 | 0 | 46 | 1 | 472 |
| | VIII. SOUTHERN. | | | | | | | | |
| 30 | Roxburgh, | 1495 | 7 | 1 | 0 | 0 | 156 | 11 | 1670 |
| 31 | Dumfries, | 2062 | 20 | 12 | 0 | 4 | 206 | 30 | 2334 |
| 32 | Kirkcudbright, | 1210 | 18 | 4 | 0 | 1 | 87 | 16 | 1336 |
| 33 | Wigtown, | 1066 | 1 | 4 | 0 | 1 | 97 | 14 | 1183 |

Total DEATHS from all Causes at Four Periods of Life 35 in the Eight Principal Towns of Scotland.—Year 1868.

| CAUSES OF DEATH. | AGES. | | | | Total. | CAUSES OF DEATH. | AGES. | | | | Total |
|--|-------|------|-------|----------|--------|--------------------------|-------|------|-------|----------|-------|
| | 0-5 | 5-20 | 20-60 | Above 60 | | | 0-5 | 5-20 | 20-60 | Above 60 | |
| ALL CAUSES . . . | 12728 | 3036 | 7813 | 4454 | 28031 | IV. Cephalitis . . . | 74 | 38 | 19 | 3 | 134 |
| SPECIFIED CAUSES . . . | 12451 | 2981 | 7662 | 4138 | 27532 | Apoplexy . . . | 62 | 23 | 178 | 219 | 482 |
| DISEASES:— | | | | | | Paralysis . . . | 6 | 4 | 181 | 372 | 563 |
| I. Zymotic Class . . . | 4764 | 1147 | 959 | 303 | 7173 | Delirium Tremens . . . | — | — | 29 | 2 | 31 |
| II. Dropsy, Cancer, } and others of } uncertain seat . . . | 78 | 64 | 462 | 288 | 892 | Chorea . . . | 1 | 2 | 1 | — | 4 |
| III. Tubercular Class . . . | 1476 | 948 | 2323 | 117 | 4864 | Epilepsy . . . | 3 | 4 | 38 | 11 | 56 |
| IV. Of Brain, etc. . . | 719 | 177 | 636 | 722 | 2254 | Tetanus . . . | 9 | 6 | 2 | 1 | 18 |
| V. Of Heart, etc. . . | 31 | 71 | 633 | 428 | 1163 | Insanity . . . | — | 1 | 21 | 11 | 33 |
| VI. Of Resp. Organs . . . | 2392 | 249 | 1140 | 830 | 4611 | Convulsions . . . | 467 | 16 | 5 | 1 | 489 |
| VII. Of Digest. Organs . . . | 1066 | 99 | 508 | 269 | 1942 | Dis. of Brain, etc. . . | 97 | 83 | 162 | 102 | 444 |
| VIII. Of Kidneys, etc. . . | 38 | 52 | 197 | 125 | 412 | V. Pericarditis . . . | 1 | 5 | 6 | 1 | 13 |
| IX. Of Uterus, etc. . . | 2 | 4 | 211 | 14 | 231 | Aneurism . . . | — | — | 32 | 5 | 37 |
| X. Of Joints, Bones, etc. . . | 12 | 54 | 60 | 30 | 156 | Dis. of Heart, etc. . . | 30 | 66 | 595 | 422 | 1113 |
| XI. Of Skin, etc. . . | 19 | — | 5 | 4 | 28 | VI. Laryngitis . . . | 26 | 4 | 14 | 7 | 51 |
| XII. Malformations . . . | 44 | — | — | — | 44 | Bronchitis . . . | 1882 | 143 | 607 | 625 | 3257 |
| XIII. Debility from Pre- } mature Birth . . . | 1461 | — | — | — | 1461 | Pleurisy . . . | 3 | 4 | 31 | 16 | 54 |
| XIV. Atrophy . . . | 113 | 20 | 92 | — | 225 | Pneumonia . . . | 443 | 77 | 297 | 106 | 923 |
| XV. Age . . . | — | — | 2 | 1176 | 1178 | Asthma . . . | — | — | 90 | 60 | 150 |
| XVI. Sudden . . . | 19 | 7 | 33 | 21 | 80 | Dis. of Lungs, etc. . . | 38 | 21 | 101 | 16 | 176 |
| XVII. Violence, Privation, etc. . . | 217 | 89 | 401 | 111 | 818 | VII. Teething . . . | 536 | 1 | — | — | 537 |
| I. Small-pox . . . | 11 | — | — | — | 11 | Quincy . . . | 18 | — | 4 | 1 | 23 |
| Measles . . . | 727 | 45 | 4 | — | 776 | Gastritis . . . | 12 | 5 | 14 | 5 | 36 |
| Scarlatina . . . | 1112 | 563 | 28 | 1 | 1704 | Enteritis . . . | 237 | 30 | 44 | 23 | 334 |
| Diphtheria . . . | 163 | 30 | 10 | 1 | 204 | Peritonitis . . . | 14 | 17 | 38 | 9 | 78 |
| Hooping-Cough . . . | 1336 | 72 | 1 | — | 1409 | Ascites . . . | 1 | 3 | 16 | 10 | 30 |
| Croup . . . | 334 | 32 | 1 | — | 367 | Ulcer. of Intest. . . | 5 | 1 | 24 | 12 | 42 |
| Thrush . . . | 7 | — | — | — | 7 | Hernia . . . | 4 | 1 | 22 | 14 | 41 |
| Diarrhoea . . . | 690 | 27 | 103 | 124 | 944 | Ileus . . . | 30 | 5 | 32 | 32 | 99 |
| Dysentery . . . | 17 | 5 | 35 | 40 | 98 | Intussusception . . . | — | 1 | 1 | 1 | 3 |
| Cholera . . . | 35 | 11 | 23 | 9 | 78 | Strict. of Intest. . . | 3 | 1 | 12 | 4 | 20 |
| Influenza . . . | 10 | 3 | 11 | 13 | 37 | Dis. of Stomach . . . | 150 | 19 | 86 | 59 | 314 |
| Purpura; Scurvy . . . | 2 | 2 | 3 | 3 | 10 | Dis. of Pancreas . . . | — | — | — | — | — |
| Ague . . . | — | 1 | 2 | — | 3 | Hepatitis . . . | 3 | — | 25 | 5 | 33 |
| Worms . . . | 2 | 3 | — | — | 5 | Jaundice . . . | 32 | 2 | 11 | 19 | 64 |
| Typhus Fever . . . | 41 | 144 | 460 | 63 | 708 | Dis. of Liver . . . | 19 | 13 | 173 | 75 | 280 |
| Enteric Fever . . . | 100 | 155 | 135 | 27 | 417 | Dis. of Spleen . . . | 2 | — | 6 | — | 8 |
| Relapsing Fever . . . | 13 | 10 | 3 | — | 26 | VIII. Nephritis . . . | 7 | 12 | 8 | 3 | 30 |
| Simple Cont. Fever . . . | 8 | 11 | 6 | 1 | 26 | Nephria . . . | 10 | 20 | 82 | 17 | 129 |
| Infant. Rem. Fever . . . | 37 | 5 | — | — | 42 | Addison's Disease . . . | — | — | — | — | — |
| Metria . . . | — | 3 | 73 | — | 76 | Ischuria . . . | 7 | 2 | 4 | 9 | 22 |
| Rheumatic Fever . . . | 2 | 14 | 18 | 6 | 40 | Diabetes . . . | 2 | 3 | 15 | 7 | 27 |
| Erysipelas . . . | 45 | 5 | 21 | 14 | 85 | Stone . . . | — | 1 | 4 | 10 | 15 |
| Pyæmia . . . | — | 1 | 3 | — | 4 | Cystitis . . . | 1 | 2 | 13 | 15 | 31 |
| Syphilis . . . | 69 | 3 | 17 | 1 | 90 | Strict. of Urethra . . . | — | — | 3 | 4 | 7 |
| Noma . . . | 3 | 2 | 1 | — | 6 | Dis. of Kidneys . . . | 11 | 12 | 68 | 60 | 151 |
| Hydrophobia . . . | — | — | — | — | — | IX. Paramenia . . . | — | — | 8 | — | 8 |
| II. Hæmorrhage . . . | 7 | 4 | 24 | 7 | 42 | Ovarian Dropsy . . . | 1 | — | 20 | 7 | 28 |
| Dropsy . . . | 27 | 43 | 135 | 104 | 309 | Childbirth . . . | — | 4 | 146 | — | 150 |
| Abscess . . . | 19 | 6 | 24 | 6 | 55 | Dis. of Uterus . . . | 1 | — | 37 | 7 | 45 |
| Ulcer . . . | 3 | — | 5 | 5 | 13 | X. Arthritis . . . | 1 | 5 | 6 | — | 12 |
| Fistula . . . | — | — | 2 | 4 | 6 | Rheumatism . . . | 2 | 8 | 20 | 27 | 57 |
| Mortification . . . | 10 | 2 | 10 | 25 | 47 | Dis. of Joints, etc. . . | 9 | 41 | 34 | 3 | 87 |
| Cancer . . . | 12 | 9 | 259 | 136 | 416 | XI. Carbuncle . . . | 1 | — | — | 3 | 4 |
| Gout . . . | — | — | 3 | 1 | 4 | Phlegmon . . . | 2 | — | 1 | 1 | 4 |
| III. Scrophula . . . | 107 | 71 | 60 | 6 | 244 | Dis. of Skin . . . | 16 | — | 4 | — | 20 |
| Tuberc. Mesenterica . . . | 279 | 67 | 16 | 1 | 363 | XVII. Intemperance . . . | — | 1 | 28 | 6 | 35 |
| Phthisis . . . | 330 | 723 | 2240 | 109 | 3402 | Privation of Food . . . | — | — | 1 | — | 1 |
| Hydrocephalus . . . | 760 | 87 | 7 | 1 | 855 | Wt. Breast-milk . . . | 64 | — | — | — | 64 |
| | | | | | | Neglect . . . | 1 | — | — | — | 1 |
| | | | | | | Cold . . . | — | — | 1 | — | 1 |
| | | | | | | Poison . . . | 7 | 3 | 11 | 3 | 24 |
| | | | | | | Poisoned Wounds . . . | — | — | — | — | — |
| | | | | | | Burns and Scalds . . . | 44 | 3 | 14 | 8 | 69 |
| | | | | | | Hanging, etc. . . | — | 1 | 15 | 8 | 24 |
| | | | | | | Suffocation . . . | 48 | 2 | 11 | 2 | 63 |
| | | | | | | Drowning . . . | 11 | 17 | 82 | 17 | 127 |
| | | | | | | Fractures & Contus. . . | 31 | 55 | 199 | 60 | 345 |
| | | | | | | Gunshot Wounds . . . | — | 1 | 4 | — | 5 |
| | | | | | | Cuts and Stabs . . . | 1 | 1 | 6 | 1 | 9 |
| | | | | | | Other Vio. Causes . . . | 10 | 5 | 29 | 6 | 50 |
| | | | | | | Not specified . . . | 277 | 55 | 131 | 16 | 499 |

36 DEATHS from all Causes at Four Periods of Life Year 1868.

| CAUSES OF DEATH. | GLASGOW. | | | | | EDINBURGH. | | | | | DUNDEE. | | | | | ABERDEEN. | | | |
|--|----------|------|-------|----------|--------|------------|------|-------|----------|--------|---------|------|-------|----------|--------|-----------|------|-------|----------|
| | 0-5 | 5-20 | 20-60 | 60, etc. | Total. | 0-5 | 5-20 | 20-60 | 60, etc. | Total. | 0-5 | 5-20 | 20-60 | 60, etc. | Total. | 0-5 | 5-20 | 20-60 | 60, etc. |
| ALL CAUSES . . . | 6903 | 1558 | 3757 | 1577 | 13825 | 1741 | 489 | 1460 | 1090 | 4780 | 1349 | 223 | 864 | 478 | 2919 | 301 | 195 | 539 | 492 |
| SPECIFIED CAUSES . . . | 6816 | 1562 | 3664 | 1565 | 13607 | 1713 | 486 | 1448 | 1089 | 4735 | 1310 | 222 | 841 | 477 | 2850 | 786 | 191 | 532 | 492 |
| DISEASES :— | | | | | | | | | | | | | | | | | | | |
| I. Zymotic Class | 2603 | 609 | 454 | 87 | 3753 | 646 | 208 | 150 | 76 | 1080 | 450 | 64 | 142 | 46 | 702 | 297 | 47 | 58 | 38 |
| II. Dropsy, Cancer, and others of uncertain seat | 40 | 30 | 197 | 83 | 350 | 12 | 12 | 99 | 76 | 199 | 6 | 6 | 54 | 52 | 98 | 9 | 6 | 44 | 44 |
| III. Tubercular Class | 786 | 499 | 1159 | 64 | 2508 | 222 | 126 | 398 | 17 | 763 | 139 | 88 | 253 | 12 | 492 | 102 | 82 | 172 | 14 |
| IV. Of Brain, etc. | 360 | 91 | 240 | 254 | 945 | 125 | 25 | 163 | 194 | 507 | 85 | 12 | 67 | 71 | 235 | 65 | 16 | 50 | 71 |
| V. Of Heart, etc. | 7 | 26 | 270 | 123 | 428 | 12 | 14 | 146 | 132 | 304 | 5 | 8 | 73 | 42 | 128 | — | 5 | 50 | 42 |
| VI. Of Resp. Organs | 1497 | 147 | 630 | 359 | 2633 | 277 | 37 | 173 | 180 | 667 | 234 | 22 | 122 | 82 | 460 | 117 | 11 | 65 | 71 |
| VII. Of Digest. Organs | 601 | 56 | 241 | 95 | 993 | 109 | 16 | 106 | 75 | 306 | 130 | 7 | 38 | 14 | 189 | 68 | 9 | 34 | 35 |
| VIII. Of Kidneys, etc. | 19 | 24 | 86 | 31 | 160 | 8 | 11 | 49 | 39 | 107 | 1 | 4 | 13 | 10 | 28 | 3 | 4 | 17 | 19 |
| IX. Of Uterus, etc. | 1 | 2 | 98 | 5 | 106 | — | 2 | 51 | 4 | 57 | 1 | — | 23 | 1 | 25 | — | — | 11 | 2 |
| X. Of Joints, Bones, etc. | 5 | 21 | 25 | 14 | 65 | 1 | 18 | 15 | 6 | 40 | 2 | 2 | 7 | 2 | 13 | — | 3 | 4 | 7 |
| XI. Of Skin, etc. | 6 | — | 2 | 1 | 9 | 3 | — | 1 | 1 | 5 | 2 | — | 1 | — | 3 | 5 | — | 1 | — |
| XII. Malformations | 16 | — | — | — | 16 | 9 | — | — | — | 9 | 4 | — | — | — | 4 | 9 | — | — | — |
| XIII. Debility from Pre-mature Birth | 722 | — | — | — | 722 | 233 | — | — | — | 233 | 215 | — | — | — | 215 | 80 | — | — | — |
| XIV. Atrophy | 50 | 4 | 42 | — | 96 | 14 | 4 | 13 | — | 31 | 13 | 2 | 11 | — | 26 | 4 | 1 | 9 | — |
| XV. Age | — | — | 1 | 398 | 399 | — | — | — | 264 | 264 | — | — | 1 | 151 | 152 | — | — | — | 129 |
| XVI. Sudden | 7 | 7 | 29 | 11 | 54 | 1 | — | — | — | 1 | 2 | — | 2 | 1 | 5 | 2 | — | — | 5 |
| XVII. Violence, Privation, etc. | 96 | 46 | 190 | 38 | 370 | 41 | 13 | 84 | 24 | 162 | 21 | 7 | 34 | 13 | 75 | 25 | 7 | 17 | 15 |
| I. Small-pox | 6 | — | — | — | 6 | — | — | — | — | — | 1 | — | — | — | 1 | 1 | — | — | — |
| Measles | 344 | 18 | 3 | — | 365 | 33 | 1 | — | — | 34 | 180 | 11 | — | — | 191 | 126 | 7 | 1 | — |
| Scarlatina | 608 | 300 | 8 | — | 916 | 222 | 109 | 8 | 1 | 340 | 26 | 15 | 1 | — | 42 | 29 | 14 | 6 | — |
| Diphtheria | 76 | 12 | 7 | — | 95 | 42 | 11 | 2 | — | 55 | 16 | 1 | 1 | 1 | 19 | 4 | 1 | — | — |
| Whooping-Cough | 892 | 52 | 1 | — | 945 | 113 | 5 | — | — | 118 | 59 | 1 | — | — | 51 | 68 | 1 | — | — |
| Croup | 142 | 18 | — | — | 160 | 72 | 5 | — | — | 77 | 36 | 3 | — | — | 39 | 9 | 1 | 1 | — |
| Thrush | 3 | — | — | — | 3 | 1 | — | — | — | 1 | 1 | — | — | — | 1 | 2 | — | — | — |
| Diarrhoea | 347 | 12 | 49 | 40 | 448 | 117 | 7 | 17 | 30 | 171 | 87 | 4 | 11 | 15 | 117 | 30 | 1 | 9 | 16 |
| Dysentery | 4 | 2 | 17 | 4 | 27 | 3 | 1 | 5 | 14 | 23 | 2 | 1 | 9 | 10 | 22 | 2 | — | 4 | 7 |
| Cholera | 12 | 2 | 6 | 3 | 23 | 3 | 3 | 4 | 3 | 13 | 9 | 4 | 8 | 1 | 22 | 2 | 1 | 1 | — |
| Influenza | 6 | 2 | 5 | 2 | 15 | 1 | — | 1 | 1 | 3 | 1 | — | 5 | 3 | 9 | — | — | — | 5 |
| Purpura; Scurvy | 1 | 2 | 1 | — | 4 | — | — | 1 | 2 | 3 | — | — | — | — | — | — | — | — | — |
| Ague | — | — | 1 | — | 1 | — | 1 | 1 | — | 2 | — | — | — | — | — | — | — | — | — |
| Worms | 2 | 3 | — | — | 5 | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Typhus Fever | 17 | 68 | 229 | 24 | 338 | 8 | 33 | 56 | 12 | 109 | 6 | 17 | 78 | 10 | 111 | 1 | 4 | 14 | 3 |
| Enteric Fever | 64 | 91 | 62 | 9 | 226 | 11 | 21 | 24 | 5 | 61 | 6 | 6 | 15 | 4 | 31 | 5 | 10 | 12 | 4 |
| Relapsing Fever | 9 | 7 | 1 | — | 17 | — | 1 | — | — | 1 | 1 | — | — | — | 1 | 1 | — | — | — |
| Simple Cont. Fever | 2 | 4 | 5 | 1 | 12 | — | 1 | 1 | — | 2 | 1 | 1 | — | — | 2 | — | 1 | — | — |
| Infant. Rem. Fever | 21 | 4 | — | — | 25 | 1 | — | — | — | 1 | 10 | — | — | — | 10 | 2 | — | — | — |
| Metria | — | 3 | 35 | — | 38 | — | — | 15 | — | 15 | — | — | 7 | — | 7 | — | — | 4 | — |
| Rheumatic Fever | 2 | 5 | 4 | 1 | 12 | — | 5 | 2 | 3 | 10 | — | — | 5 | — | 5 | — | 3 | 3 | 1 |
| Erysipelas | 18 | 1 | 10 | 3 | 32 | 6 | 3 | 5 | 4 | 18 | 6 | — | 1 | 2 | 9 | 6 | 1 | 2 | 2 |
| Pyæmia | — | 1 | 2 | — | 3 | — | — | — | — | — | — | — | 1 | — | 1 | — | — | — | — |
| Syphilis | 24 | 1 | 8 | — | 33 | 13 | 1 | 8 | 1 | 23 | 11 | — | — | — | 11 | 9 | 1 | — | — |
| Noma | 3 | 1 | — | — | 4 | — | — | — | — | — | — | — | — | — | — | — | 1 | 1 | — |
| Hydrophobia | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| II. Hæmorrhage | 3 | 2 | 11 | 2 | 18 | 1 | 1 | 5 | 4 | 11 | — | — | 3 | — | 3 | 1 | — | — | — |
| Dropsy | 16 | 20 | 56 | 35 | 127 | 4 | 7 | 16 | 12 | 39 | 2 | 5 | 30 | 17 | 54 | 2 | 4 | 12 | 17 |
| Abscess | 10 | 3 | 12 | 2 | 27 | 3 | 1 | 5 | 2 | 11 | 1 | — | 1 | — | 2 | 2 | 1 | 1 | 2 |
| Ulcer | 1 | — | 1 | 3 | 5 | — | — | 2 | 1 | 3 | 2 | — | 1 | — | 3 | — | — | — | — |
| Fistula | — | — | 1 | 1 | 2 | — | — | 1 | 1 | 2 | — | — | — | — | — | — | — | 1 | 1 |
| Mortification | 4 | 1 | 3 | 5 | 13 | 3 | — | 2 | 14 | 19 | 1 | 1 | — | 1 | 3 | — | — | 1 | 2 |
| Cancer | 6 | 4 | 112 | 35 | 157 | 1 | 3 | 68 | 42 | 114 | — | — | 19 | 14 | 33 | 4 | 1 | 28 | 21 |
| Gout | — | — | 1 | — | 1 | — | — | — | — | — | — | — | — | — | — | — | — | 1 | 1 |
| III. Scrofula | 51 | 32 | 22 | 2 | 107 | 19 | 10 | 16 | — | 45 | 6 | 4 | 4 | 1 | 15 | 16 | 8 | 6 | — |
| Tabes Mesenterica | 146 | 36 | 7 | — | 189 | 46 | 11 | 4 | 1 | 62 | 23 | 6 | 1 | — | 30 | 16 | 4 | 2 | — |
| Phthisis | 212 | 396 | 1126 | 61 | 1795 | 20 | 93 | 377 | 16 | 506 | 39 | 65 | 247 | 11 | 362 | 15 | 60 | 164 | 14 |
| Hydrocephalus | 377 | 35 | 4 | 1 | 417 | 137 | 12 | 1 | — | 150 | 71 | 13 | 1 | — | 85 | 55 | 10 | — | — |

in each of the Eight Principal Towns of Scotland. 37
Year 1868.

| CAUSES OF DEATH. | PAISLEY. | | | | | GREENOCK. | | | | | LEITH. | | | | | PERTH. | | | | | Grand Total. |
|--|----------|------|-------|----------|--------|-----------|------|-------|----------|--------|--------|------|-------|----------|--------|--------|------|-------|----------|--------|--------------|
| | 0-5 | 5-20 | 20-60 | 60, etc. | Total. | 0-5 | 5-20 | 20-60 | 60, etc. | Total. | 0-5 | 5-20 | 20-60 | 60, etc. | Total. | 0-5 | 5-20 | 20-60 | 60, etc. | Total. | |
| ALL CAUSES . . . | 449 | 170 | 343 | 259 | 1221 | 344 | 180 | 430 | 204 | 1658 | 442 | 129 | 235 | 169 | 975 | 199 | 57 | 185 | 185 | 626 | 28031 |
| PECIFIED CAUSES . . . | 421 | 169 | 341 | 259 | 1190 | 769 | 167 | 418 | 203 | 1557 | 439 | 127 | 235 | 169 | 970 | 197 | 57 | 183 | 185 | 622 | 27532 |
| DISEASES :— | | | | | | | | | | | | | | | | | | | | | |
| I. Zymotic Class . . . | 178 | 62 | 49 | 24 | 313 | 353 | 66 | 65 | 16 | 500 | 159 | 71 | 21 | 8 | 259 | 78 | 20 | 20 | 8 | 126 | 7173 |
| II. Dropsy, Cancer, and others of uncertain seat . . . | 1 | 3 | 23 | 21 | 48 | 4 | 4 | 18 | 11 | 37 | 3 | 3 | 13 | 6 | 25 | 3 | — | 14 | 15 | 32 | 892 |
| III. Tubercular Class . . . | 73 | 64 | 101 | 1 | 239 | 82 | 47 | 119 | 5 | 253 | 52 | 21 | 58 | 2 | 133 | 20 | 21 | 63 | 2 | 106 | 4864 |
| IV. Of Brain, etc. . . | 15 | 11 | 34 | 42 | 102 | 36 | 12 | 39 | 31 | 118 | 23 | 7 | 26 | 27 | 83 | 10 | 3 | 17 | 32 | 62 | 2251 |
| V. Of Heart, etc. . . | 1 | 3 | 25 | 8 | 37 | 3 | 7 | 39 | 28 | 77 | 3 | 6 | 14 | 22 | 45 | — | 2 | 16 | 29 | 47 | 1163 |
| VI. Of Resp. Organs . . . | 46 | 10 | 45 | 49 | 150 | 121 | 13 | 51 | 33 | 218 | 65 | 5 | 35 | 40 | 145 | 35 | 4 | 19 | 16 | 74 | 4611 |
| VII. Of Digest. Organs . . . | 44 | 3 | 22 | 18 | 87 | 65 | 4 | 33 | 10 | 112 | 37 | 3 | 23 | 10 | 73 | 12 | 1 | 11 | 12 | 36 | 1942 |
| VIII. Of Kidneys, etc. . . | — | 3 | 9 | 2 | 14 | 1 | — | 8 | 8 | 17 | 5 | 4 | 9 | 6 | 24 | 1 | 2 | 6 | 10 | 19 | 412 |
| IX. Of Uterus, etc. . . | — | — | 11 | 2 | 13 | — | — | 6 | — | 6 | — | — | 10 | — | 10 | — | — | 1 | — | 1 | 231 |
| X. Of Joints, Bones, etc. . . | 1 | 3 | 4 | 1 | 9 | 2 | 4 | 3 | — | 9 | 1 | 1 | — | — | 2 | — | 2 | 2 | — | 4 | 156 |
| XI. Of Skin, etc. . . | 1 | — | — | 1 | 2 | 2 | — | — | — | 2 | — | — | — | — | — | — | — | — | 1 | 1 | 28 |
| XII. Malformations . . . | — | — | — | — | — | 3 | — | — | — | 3 | 2 | — | — | — | 2 | 1 | — | — | — | 1 | 44 |
| XIII. Debility from Pre-mature Birth . . . | 49 | — | — | — | 49 | 71 | — | — | — | 71 | 63 | — | — | — | 63 | 28 | — | — | — | 28 | 1461 |
| XIV. Atrophy . . . | 5 | 3 | 3 | — | 11 | 12 | 5 | 9 | — | 26 | 9 | 1 | 3 | — | 13 | 6 | — | 2 | — | 8 | 225 |
| XV. Age . . . | — | — | — | 83 | 83 | — | — | — | 51 | 51 | — | — | — | 45 | 45 | — | — | — | 55 | 55 | 1178 |
| XVI. Sudden . . . | 3 | — | — | 2 | 5 | 3 | — | 1 | 2 | 6 | 1 | — | 1 | — | 2 | — | — | — | — | — | 80 |
| XVII. Violence, Privation, etc. . . | 4 | 4 | 15 | 5 | 28 | 11 | 5 | 27 | 8 | 51 | 16 | 5 | 22 | 3 | 46 | 3 | 2 | 12 | 5 | 22 | 818 |
| I. Small-pox . . . | — | — | — | — | — | 2 | — | — | — | 2 | — | — | — | — | — | 1 | — | — | — | 1 | 11 |
| Measles . . . | 7 | — | — | — | 7 | 31 | 4 | — | — | 35 | 1 | 1 | — | — | 2 | 5 | 3 | — | — | 8 | 776 |
| Scarlatina . . . | 73 | 37 | 1 | — | 111 | 65 | 30 | 1 | — | 96 | 77 | 52 | 2 | — | 131 | 12 | 6 | 1 | — | 19 | 1704 |
| Diphtheria . . . | 7 | 2 | — | — | 9 | 12 | 1 | — | — | 13 | 3 | 2 | — | — | 5 | 3 | — | — | — | 3 | 204 |
| Hooping-Cough . . . | 22 | 1 | — | — | 23 | 136 | 10 | — | — | 146 | 25 | 1 | — | — | 26 | 30 | 1 | — | — | 31 | 1469 |
| Croup . . . | 22 | — | — | — | 22 | 34 | 1 | — | — | 35 | 13 | 1 | — | — | 14 | 6 | 3 | — | — | 9 | 367 |
| Thrush . . . | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 7 |
| Diarrhoea . . . | 25 | — | 8 | 9 | 42 | 40 | 1 | 6 | 7 | 63 | 24 | 1 | — | 5 | 30 | 11 | 1 | 3 | 2 | 17 | 944 |
| Dysentery . . . | 2 | — | — | 3 | 5 | 1 | 1 | — | — | 2 | 2 | — | 1 | 1 | 4 | 1 | — | — | 1 | 2 | 98 |
| Cholera . . . | 2 | 1 | 1 | — | 4 | 5 | — | 1 | 2 | 8 | 2 | — | 1 | — | 3 | — | — | 1 | — | 1 | 78 |
| Influenza . . . | — | — | — | 2 | 2 | 2 | 1 | — | — | 3 | — | — | — | — | — | — | — | — | — | — | 37 |
| Purpura; Scurvy . . . | 1 | — | — | 1 | 2 | — | — | 1 | — | 1 | — | — | — | — | — | — | — | — | — | — | 10 |
| Ague . . . | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 3 |
| Worms . . . | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 5 |
| Typhus Fever . . . | 3 | 4 | 23 | 4 | 34 | 5 | 11 | 38 | 6 | 60 | 1 | 4 | 10 | 1 | 16 | — | 3 | 12 | 3 | 18 | 708 |
| Enteric Fever . . . | 3 | 13 | 8 | 4 | 28 | 6 | 5 | 10 | — | 21 | 4 | 8 | 4 | — | 16 | 1 | 1 | — | 1 | 3 | 417 |
| Relapsing Fever . . . | 1 | 2 | 2 | — | 5 | 1 | — | — | — | 1 | — | — | — | — | — | — | — | — | — | — | 26 |
| Simple Cont. Fever . . . | 1 | 1 | — | — | 2 | — | — | — | — | — | 2 | 1 | — | — | 3 | 2 | 2 | — | — | 4 | 46 |
| Infant. Rem. Fever . . . | 2 | 1 | — | — | 3 | — | — | — | — | — | 1 | — | — | — | 1 | — | — | — | — | — | 42 |
| Metria . . . | — | — | 4 | — | 4 | — | — | 5 | — | 5 | — | — | 1 | — | 1 | — | — | 2 | — | 2 | 76 |
| Rheumatic Fever . . . | — | — | 1 | 1 | 2 | — | 1 | 2 | — | 3 | — | — | — | — | — | — | — | 1 | — | 1 | 40 |
| Erysipelas . . . | 2 | — | 1 | — | 3 | 1 | — | — | 1 | 2 | 3 | — | 2 | 1 | 6 | 3 | — | — | 1 | 4 | 85 |
| Pyæmia . . . | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 4 |
| Syphilis . . . | 5 | — | — | — | 5 | 3 | — | 1 | — | 4 | 1 | — | — | — | 1 | 3 | — | — | — | 3 | 90 |
| Noma . . . | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 6 |
| Hydrophobia . . . | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| II. Hæmorrhage . . . | 1 | — | 2 | 1 | 4 | — | — | — | — | — | 1 | 1 | — | — | 2 | — | — | 3 | — | 3 | 42 |
| Dropsy . . . | — | 2 | 9 | 12 | 23 | 1 | 3 | 5 | 5 | 14 | 1 | 2 | 4 | 2 | 9 | 1 | — | 3 | 4 | 8 | 309 |
| Abscess . . . | — | — | 2 | — | 2 | 2 | 1 | 2 | — | 5 | 1 | — | — | — | 1 | — | — | 1 | — | 1 | 55 |
| Uleer . . . | — | — | — | 1 | 1 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 13 |
| Fistula . . . | — | — | — | — | — | — | — | — | — | — | — | — | — | 1 | 1 | — | — | — | — | — | 6 |
| Mortification . . . | — | — | — | — | — | — | — | 2 | 3 | 5 | — | — | — | — | — | 2 | — | 2 | — | 4 | 47 |
| Cancer . . . | — | 1 | 10 | 7 | 18 | 1 | — | 9 | 3 | 13 | — | — | 9 | 3 | 12 | — | — | 4 | 11 | 15 | 416 |
| Gout . . . | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 1 | — | 1 | 4 |
| III. Scrofula . . . | 4 | 7 | 5 | — | 16 | 5 | 6 | 3 | 2 | 16 | 5 | 2 | 1 | — | 8 | 1 | 2 | 3 | 1 | 7 | 244 |
| Tabes Mesenterica . . . | 17 | 4 | — | — | 21 | 14 | 1 | — | — | 15 | 10 | 3 | 1 | — | 14 | 7 | — | 1 | — | 10 | 363 |
| Phthisis . . . | 16 | 48 | 96 | 1 | 161 | 24 | 36 | 115 | 3 | 178 | 3 | 10 | 56 | 2 | 71 | 1 | 15 | 59 | 1 | 76 | 3402 |
| Hydrocephalus . . . | 36 | 5 | — | — | 41 | 39 | 4 | 1 | — | 44 | 34 | 6 | — | — | 40 | 11 | 2 | — | — | 13 | 855 |

38 DEATHS from all Causes at Four Periods of Life Year 1868.

| CAUSES OF DEATH. | GLASGOW. | | | | | EDINBURGH. | | | | | DUNDEE. | | | | | ABERDEEN. | | | | |
|--------------------------|----------|------|-------|---------|--------|------------|------|-------|---------|--------|---------|------|-------|---------|--------|-----------|------|-------|---------|--------|
| | 0-5 | 5-20 | 20-60 | 60,etc. | Total. | 0-5 | 5-20 | 20-60 | 60,etc. | Total. | 0-5 | 5-20 | 20-60 | 60,etc. | Total. | 0-5 | 5-20 | 20-60 | 60,etc. | Total. |
| IV. Cephalitis . . . | 39 | 20 | 7 | - | 66 | 18 | 5 | 4 | 3 | 30 | 4 | 3 | 1 | - | 8 | 3 | 3 | 1 | - | 7 |
| Apoplexy . . . | 25 | 13 | 71 | 63 | 172 | 16 | 2 | 43 | 65 | 126 | 8 | 1 | 22 | 24 | 55 | 1 | 1 | 15 | 22 | 39 |
| Paralysis . . . | 4 | 2 | 63 | 140 | 209 | 1 | 1 | 48 | 90 | 140 | 1 | - | 22 | 37 | 60 | - | - | 11 | 38 | 49 |
| Delirium Tremens . . . | - | - | 9 | 2 | 11 | - | - | 8 | - | 8 | - | - | 2 | - | 2 | - | - | 3 | - | 3 |
| Chorea . . . | 1 | - | 1 | - | 2 | - | - | - | - | - | - | 2 | - | - | 2 | - | - | - | - | - |
| Epilepsy . . . | 1 | 2 | 10 | 3 | 16 | 1 | 1 | 15 | 2 | 19 | 1 | 1 | 4 | 1 | 7 | - | - | 4 | 2 | 6 |
| Tetanus . . . | 3 | 3 | 2 | 1 | 9 | 5 | 1 | - | - | 6 | - | - | - | - | - | - | - | - | - | 1 |
| Insanity . . . | - | - | - | - | - | - | - | 12 | 4 | 16 | - | - | 1 | - | 1 | - | 1 | 1 | 2 | 4 |
| Convulsions . . . | 233 | 7 | 2 | 1 | 243 | 70 | 4 | - | - | 74 | 65 | 1 | 2 | - | 68 | 54 | - | 1 | - | 55 |
| Dis. of Brain, etc. | 54 | 44 | 75 | 44 | 217 | 14 | 11 | 33 | 30 | 88 | 6 | 4 | 13 | 9 | 32 | 7 | 10 | 14 | 7 | 33 |
| V. Pericarditis . . . | - | 1 | 2 | 1 | 4 | - | 2 | 2 | - | 4 | - | - | 1 | - | 1 | - | - | 1 | - | 1 |
| Aneurism . . . | - | - | 13 | 1 | 14 | - | - | 12 | 2 | 14 | - | - | - | - | - | - | - | 3 | - | 3 |
| Dis. of Heart, etc. | 7 | 25 | 255 | 123 | 410 | 12 | 12 | 132 | 130 | 286 | 5 | 8 | 72 | 42 | 127 | - | 5 | 46 | 42 | 93 |
| VI. Laryngitis . . . | 16 | 1 | 7 | 1 | 25 | 4 | 2 | 3 | 4 | 13 | 2 | - | - | - | 2 | 3 | - | 1 | - | 4 |
| Bronchitis . . . | 1193 | 82 | 364 | 276 | 1915 | 209 | 18 | 78 | 136 | 441 | 186 | 13 | 57 | 52 | 308 | 87 | 8 | 31 | 55 | 181 |
| Pleurisy . . . | 1 | 1 | 10 | 4 | 16 | - | 2 | 14 | 5 | 21 | 1 | - | 1 | 2 | 4 | 1 | - | 3 | 4 | 8 |
| Pneumonia . . . | 271 | 51 | 152 | 43 | 517 | 54 | 10 | 39 | 21 | 124 | 41 | 7 | 37 | 16 | 101 | 23 | 2 | 21 | 8 | 54 |
| Asthma . . . | - | - | 44 | 27 | 71 | - | - | 9 | 8 | 17 | - | - | 21 | 11 | 32 | - | - | 6 | 4 | 10 |
| Dis. of Lungs, etc. | 16 | 12 | 53 | 8 | 89 | 10 | 5 | 30 | 6 | 51 | 4 | 2 | 6 | 1 | 13 | 3 | 1 | 3 | - | 7 |
| VII. Teething . . . | 262 | - | - | - | 262 | 40 | - | - | - | 40 | 105 | - | - | - | 105 | 38 | - | - | - | 38 |
| Quinsey . . . | 12 | - | - | - | 12 | 1 | - | 4 | 1 | 6 | 1 | - | - | - | 1 | - | - | - | - | - |
| Gastritis . . . | 8 | 3 | 10 | 2 | 23 | - | 1 | 2 | 1 | 4 | 1 | 1 | - | 1 | 3 | 3 | - | - | - | 3 |
| Enteritis . . . | 163 | 20 | 24 | 13 | 220 | 27 | 5 | 7 | 4 | 43 | 8 | 2 | 2 | 1 | 13 | 10 | 1 | 6 | - | 17 |
| Peritonitis . . . | 3 | 7 | 11 | 1 | 22 | 7 | 1 | 9 | 5 | 22 | 1 | 1 | 1 | - | 3 | 1 | 3 | 1 | 1 | 6 |
| Ascites . . . | 1 | 2 | 11 | 5 | 19 | - | 1 | - | 2 | 3 | - | - | 3 | - | 3 | - | - | - | 1 | 1 |
| Ulcer. of Intest. . . | 3 | 1 | 6 | 2 | 12 | - | - | 11 | 6 | 17 | - | - | 5 | - | 5 | - | - | 1 | 1 | 2 |
| Hernia . . . | 2 | - | 13 | 6 | 21 | - | - | 2 | 5 | 7 | - | - | 2 | 1 | 3 | - | 1 | 2 | 2 | 5 |
| Ileus . . . | 23 | 2 | 11 | 8 | 44 | 3 | 1 | 4 | 7 | 15 | 2 | 2 | 6 | 4 | 14 | 1 | - | 8 | 11 | 20 |
| Intussusception . . . | - | 1 | 1 | - | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 1 |
| Strict. of Intest. . . | 1 | - | 4 | 1 | 6 | - | 1 | 3 | 1 | 5 | - | - | 1 | - | 1 | 1 | - | 1 | - | 2 |
| Dis. of Stomach . . . | 94 | 11 | 32 | 25 | 162 | 25 | 3 | 27 | 17 | 72 | 5 | 1 | 6 | 1 | 13 | 6 | 3 | 5 | 4 | 18 |
| Dis. of Pancreas . . . | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Hepatitis . . . | 2 | - | 13 | 2 | 17 | - | - | 2 | 1 | 3 | - | - | 3 | - | 3 | - | - | - | - | - |
| Jaundice . . . | 12 | 1 | 4 | 4 | 21 | 5 | - | 5 | 4 | 14 | 7 | - | 1 | 2 | 10 | 7 | 1 | 1 | 5 | 14 |
| Dis. of Liver . . . | 15 | 8 | 98 | 26 | 147 | - | 3 | 29 | 21 | 53 | - | - | 8 | 4 | 12 | 1 | - | 9 | 9 | 19 |
| Dis. of Spleen . . . | - | - | 3 | - | 3 | 1 | - | 1 | - | 2 | - | - | - | - | - | - | - | - | - | - |
| VIII. Nephritis . . . | 4 | 8 | 5 | 1 | 18 | 2 | 1 | 2 | - | 5 | - | 1 | - | - | 1 | - | 1 | - | - | 1 |
| Nephria . . . | 1 | 6 | 25 | 3 | 35 | 4 | 7 | 32 | 7 | 50 | - | 1 | 5 | 2 | 8 | 1 | 1 | 6 | - | 8 |
| Addison's Disease . . . | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Ishuria . . . | 4 | 1 | 1 | 1 | 7 | 1 | 1 | 1 | 3 | 6 | - | - | - | - | - | 1 | - | - | 4 | 5 |
| Diabetes . . . | 2 | 2 | 8 | - | 12 | - | - | 3 | 3 | 6 | - | - | 2 | - | 2 | - | 1 | - | 2 | 3 |
| Stone . . . | - | - | 1 | - | 1 | - | - | 1 | 5 | 6 | - | - | 1 | 3 | 4 | - | - | 1 | 1 | 2 |
| Cystitis . . . | - | 1 | 8 | 3 | 12 | - | - | 1 | 6 | 7 | - | - | 1 | 2 | 3 | 1 | - | 1 | 1 | 3 |
| Strict. of Urethra . . . | - | - | 1 | 3 | 4 | - | - | 1 | 1 | 2 | - | - | 1 | - | 1 | - | - | - | - | - |
| Dis. of Kidneys . . . | 8 | 6 | 37 | 20 | 71 | 1 | 2 | 8 | 14 | 25 | 1 | 2 | 3 | 3 | 9 | - | 1 | 9 | 11 | 21 |
| IX. Paramenia . . . | - | - | 6 | - | 6 | - | - | - | - | - | - | - | 1 | - | 1 | - | - | - | - | - |
| Ovarian Dropsy . . . | - | - | 8 | 3 | 11 | - | - | 7 | 2 | 9 | 1 | - | - | - | 1 | - | - | 2 | 1 | 3 |
| Childbirth . . . | - | 2 | 69 | - | 71 | - | 2 | 30 | - | 32 | - | - | 20 | - | 20 | - | - | 7 | - | 7 |
| Dis. of Uterus . . . | 1 | - | 15 | 2 | 18 | - | - | 14 | 2 | 16 | - | - | 2 | 1 | 3 | - | - | 2 | 1 | 3 |
| X. Arthritis . . . | 1 | - | 2 | - | 3 | - | 4 | 3 | - | 7 | - | - | 1 | - | 1 | - | - | - | - | - |
| Rheumatism . . . | - | 3 | 6 | 12 | 21 | - | 2 | 4 | 6 | 12 | 1 | - | 2 | 2 | 5 | - | - | 2 | 6 | 8 |
| Dis. of Joints, etc. | 4 | 18 | 17 | 2 | 41 | 1 | 12 | 8 | - | 21 | 1 | 2 | 4 | - | 7 | - | 3 | 2 | 1 | 6 |
| XI. Carbuncle . . . | 1 | - | - | - | 1 | - | - | - | 1 | 1 | - | - | - | - | - | - | - | - | - | - |
| Phlegmon . . . | 1 | - | - | 1 | 2 | - | - | 1 | - | 1 | - | - | - | - | - | - | - | - | - | - |
| Disease of Skin . . . | 4 | - | 2 | - | 6 | 3 | - | - | - | 3 | 2 | - | 1 | - | 3 | 5 | - | 1 | - | 6 |
| XVII. Intemperance . . . | - | 1 | 14 | 2 | 17 | - | - | 5 | 1 | 6 | - | - | 6 | - | 6 | - | - | - | - | - |
| Privation of Food . . . | - | - | 1 | - | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Wt. Breast-milk . . . | 32 | - | - | - | 32 | 9 | - | - | - | 9 | 9 | - | - | - | 9 | 9 | - | - | - | 9 |
| Neglect . . . | - | - | - | - | - | - | - | - | - | - | 1 | - | - | - | 1 | - | - | - | - | - |
| Cold . . . | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Poison . . . | 5 | 3 | 4 | 2 | 14 | 1 | - | 4 | - | 5 | 1 | - | 1 | 1 | 3 | - | - | - | - | - |
| Poisoned Wounds . . . | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Burns and Scalds . . . | 19 | - | 6 | 3 | 28 | 7 | - | 5 | 1 | 13 | 6 | 1 | 1 | 1 | 9 | 1 | 1 | - | 2 | 4 |
| Hanging, etc. . . | - | - | 7 | 4 | 11 | - | - | 3 | 2 | 5 | - | - | - | 1 | 1 | - | - | - | - | - |
| Suffocation . . . | 19 | 2 | 8 | - | 29 | 10 | - | 2 | 2 | 14 | - | - | - | - | - | 10 | - | 1 | - | 11 |
| Drowning . . . | 7 | 9 | 46 | 8 | 70 | 2 | 1 | 4 | 1 | 8 | - | 2 | 9 | 2 | 13 | 1 | 2 | 2 | 3 | 8 |
| Fractions . . . | 13 | 28 | 90 | 17 | 148 | 8 | 10 | 47 | 16 | 81 | 3 | 3 | 14 | 7 | 27 | 1 | 3 | 13 | 10 | 27 |
| Gunshot Wounds . . . | - | - | 2 | - | 2 | - | 1 | 1 | - | 2 | - | - | - | - | - | - | - | - | - | - |
| Cuts and Stabs . . . | - | - | 3 | 1 | 4 | 1 | - | 2 | - | 3 | - | - | - | - | - | - | 1 | - | - | 1 |
| Other Vio. Causes . . . | 1 | 3 | 9 | 1 | 14 | 3 | 1 | 11 | 1 | 16 | 1 | 1 | 3 | 1 | 6 | 3 | - | 1 | - | 4 |
| Not specified . . . | 87 | 26 | 93 | 12 | 218 | 28 | 3 | 12 | 2 | 45 | 39 | 6 | 23 | 1 | 69 | 15 | 4 | 7 | - | 26 |

in each of the Eight Principal Towns of Scotland. 39
Year 1868.

| CAUSES OF DEATH. | PAISLEY. | | | | | GREENOCK. | | | | | LEITH. | | | | | PERTH. | | | | | Grand Total. |
|--------------------------|----------|------|-------|---------|--------|-----------|------|-------|---------|--------|--------|------|-------|---------|--------|--------|------|-------|---------|--------|--------------|
| | 0-5 | 5-20 | 20-60 | 60,etc. | Total. | 0-5 | 5-20 | 20-60 | 60,etc. | Total. | 0-5 | 5-20 | 20-60 | 60,etc. | Total. | 0-5 | 5-20 | 20-60 | 60,etc. | Total. | |
| IV. Cephalitis . . . | 1 | 3 | 2 | - | 5 | 7 | 2 | 2 | - | 11 | 3 | 1 | 2 | - | 6 | - | 1 | - | - | 1 | 151 |
| Apoplexy . . . | 7 | 2 | 5 | 12 | 26 | 2 | 2 | 17 | 11 | 32 | 3 | 1 | 1 | 6 | 11 | - | 1 | 4 | 16 | 21 | 487 |
| Paralysis . . . | - | 1 | 16 | 25 | 42 | - | - | 6 | 13 | 19 | - | - | 9 | 19 | 28 | - | - | 6 | 10 | 16 | 563 |
| Delirium Tremens . . . | - | - | 2 | - | 2 | - | - | 2 | - | 2 | - | - | 1 | - | 1 | - | - | 2 | - | 2 | 31 |
| Chorea . . . | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 |
| Epilepsy . . . | - | - | 2 | 1 | 3 | - | - | 1 | - | 1 | - | - | 2 | 1 | 3 | - | - | - | 1 | 1 | 56 |
| Tetanus . . . | - | 1 | - | - | 1 | 1 | - | - | - | 1 | - | - | - | - | - | - | - | - | - | - | 13 |
| Insanity . . . | - | - | 4 | 2 | 6 | - | - | 1 | 1 | 2 | - | - | - | - | - | - | - | 2 | 2 | 4 | 33 |
| Convulsions . . . | 4 | - | - | - | 4 | 18 | 2 | - | - | 20 | 16 | 2 | - | - | 18 | 7 | - | - | - | 7 | 489 |
| Dis. of Brain, etc. | 4 | 4 | 3 | 2 | 13 | 8 | 6 | 10 | 6 | 30 | 1 | 3 | 11 | 1 | 16 | 3 | 1 | 3 | 3 | 10 | 441 |
| V. Pericarditis . . . | 1 | - | - | - | 1 | - | 1 | - | - | 1 | - | 1 | - | - | 1 | - | - | - | - | - | 15 |
| Aneurism . . . | - | - | 1 | 1 | 2 | - | - | 2 | 1 | 3 | - | - | - | - | - | - | - | 1 | - | 1 | 27 |
| Dis. of Heart, etc. | - | 3 | 24 | 7 | 34 | 3 | 6 | 37 | 27 | 73 | 3 | 5 | 14 | 22 | 44 | - | 2 | 15 | 29 | 46 | 1113 |
| VI. Laryngitis . . . | - | - | 1 | 1 | 2 | 1 | - | - | - | 1 | - | - | 1 | - | 1 | - | 1 | 1 | 1 | 3 | 51 |
| Bronchitis . . . | 34 | 10 | 25 | 42 | 111 | 93 | 6 | 26 | 22 | 152 | 44 | 3 | 16 | 33 | 96 | 31 | 3 | 10 | 9 | 53 | 3257 |
| Pleurisy . . . | - | - | 2 | - | 2 | - | - | - | 1 | 1 | - | 1 | 1 | - | 2 | - | - | - | - | - | 51 |
| Pneumonia . . . | 12 | - | 14 | 5 | 31 | 19 | 6 | 16 | 7 | 48 | 19 | 1 | 12 | 3 | 35 | 4 | - | 6 | 3 | 13 | 923 |
| Asthma . . . | - | - | 3 | 1 | 4 | - | - | 4 | 3 | 7 | - | - | 1 | 4 | 5 | - | - | 2 | 2 | 4 | 150 |
| Dis. of Lungs, etc. | - | - | - | - | - | 3 | 1 | 5 | - | 9 | 2 | - | 4 | - | 6 | - | - | - | 1 | 1 | 176 |
| VII. Teething . . . | 25 | - | - | - | 25 | 35 | 1 | - | - | 36 | 21 | - | - | - | 21 | 10 | - | - | - | 10 | 537 |
| Quinsey . . . | - | - | - | - | - | 4 | - | - | - | 4 | - | - | - | - | - | - | - | - | - | - | 23 |
| Gastritis . . . | - | - | 1 | 1 | 2 | - | - | - | - | - | - | - | 1 | - | 1 | - | - | - | - | - | 36 |
| Enteritis . . . | 12 | 2 | 2 | 2 | 18 | 9 | - | 1 | 1 | 11 | 8 | - | 2 | 1 | 11 | - | - | - | 1 | 1 | 334 |
| Peritonitis . . . | - | 1 | 2 | - | 3 | - | 3 | 7 | 1 | 11 | 2 | 1 | 7 | - | 10 | - | - | - | 1 | 1 | 78 |
| Ascites . . . | - | - | 1 | 1 | 2 | - | - | 1 | 1 | 2 | - | - | - | - | - | - | - | - | - | - | 30 |
| Ulcer. of Intest. . . | - | - | - | 2 | 2 | - | - | 1 | - | 1 | 2 | - | - | - | 2 | - | - | - | 1 | 1 | 42 |
| Hernia . . . | - | - | 1 | - | 1 | 1 | - | 2 | - | 3 | 1 | - | - | - | 1 | - | - | - | - | - | 41 |
| Ileus . . . | - | - | - | 1 | 1 | 1 | - | 2 | - | 3 | - | - | 1 | - | 1 | - | - | - | 1 | 1 | 99 |
| Intussuseption . . . | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 |
| Strict. of Intest. . . | - | - | 1 | 1 | 2 | 1 | - | 1 | - | 2 | - | - | - | - | - | - | - | 1 | 1 | 2 | 20 |
| Dis. of Stomach . . . | 5 | - | 3 | 2 | 10 | 12 | - | 4 | 3 | 19 | 2 | 1 | 7 | 3 | 13 | 1 | - | 2 | 4 | 7 | 314 |
| Dis. of Pancreas . . . | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Hepatitis . . . | 1 | - | 3 | 1 | 5 | - | - | 4 | - | 4 | - | - | - | - | - | - | - | - | 1 | 1 | 33 |
| Jaundice . . . | 1 | - | - | - | 1 | - | - | - | 1 | 1 | - | - | - | 2 | 2 | - | - | - | 1 | 1 | 64 |
| Dis. of Liver . . . | - | - | 8 | 7 | 15 | 2 | - | 8 | 3 | 13 | - | 1 | 5 | 4 | 10 | 1 | 1 | 8 | 1 | 11 | 230 |
| Dis. of Spleen . . . | - | - | - | - | - | - | - | 2 | - | 2 | 1 | - | - | - | 1 | - | - | - | - | - | 8 |
| VIII. Nephritis . . . | - | 1 | - | - | 1 | - | - | - | 1 | 1 | 1 | - | 1 | - | 2 | - | - | - | 1 | 1 | 39 |
| Nephria . . . | - | 1 | 3 | - | 4 | 1 | - | 2 | 1 | 4 | 3 | 3 | 4 | 1 | 11 | - | 1 | 5 | 3 | 9 | 129 |
| Addison's Disease . . . | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Ischuria . . . | - | - | 2 | - | 2 | - | - | - | - | - | - | - | - | - | - | 1 | - | - | 1 | 2 | 22 |
| Diabetes . . . | - | - | - | - | - | - | - | 1 | 1 | 2 | - | - | 1 | - | 1 | - | - | - | 1 | 1 | 27 |
| Stone . . . | - | - | - | - | - | - | - | - | 1 | 1 | - | - | - | - | - | - | 1 | - | - | 1 | 15 |
| Cystitis . . . | - | 1 | 2 | 1 | 4 | - | - | - | - | - | - | - | - | 1 | 1 | - | - | - | 1 | 1 | 31 |
| Strict. of Urethra . . . | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 7 |
| Dis. of Kidneys . . . | - | - | 2 | 1 | 3 | - | - | 5 | 4 | 9 | 1 | 1 | 3 | 4 | 9 | - | - | 1 | 3 | 4 | 151 |
| IX. Paramenia . . . | - | - | 1 | - | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 8 |
| Ovarian Dropsy . . . | - | - | 2 | 1 | 3 | - | - | - | - | - | - | - | 1 | - | 1 | - | - | - | - | - | 28 |
| Childbirth . . . | - | - | 7 | - | 7 | - | - | 5 | - | 5 | - | - | 8 | - | 8 | - | - | - | - | - | 150 |
| Dis. of Uterus . . . | - | - | 1 | 1 | 2 | - | - | 1 | - | 1 | - | - | 1 | - | 1 | - | - | 1 | - | 1 | 45 |
| X. Arthritis . . . | - | 1 | - | - | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 12 |
| Rheumatism . . . | - | 2 | 3 | 1 | 6 | - | - | 2 | - | 2 | 1 | 1 | - | - | 2 | - | - | 1 | - | 1 | 57 |
| Dis. of Joints, etc. | 1 | - | 1 | - | 2 | 2 | 4 | 1 | - | 7 | - | - | - | - | - | - | 2 | 1 | - | 3 | 87 |
| XI. Carbuncle . . . | - | - | - | 1 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 1 | 4 |
| Phlegmon . . . | - | - | - | - | - | 1 | - | - | - | 1 | - | - | - | - | - | - | - | - | - | - | 4 |
| Disease of Skin . . . | 1 | - | - | - | 1 | 1 | - | - | - | 1 | - | - | - | - | - | - | - | - | - | - | 20 |
| VII. Intemperance . . . | - | - | - | 1 | 1 | - | - | 1 | 2 | 3 | - | - | - | - | - | - | - | 2 | - | 2 | 35 |
| Privation of Food . . . | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 |
| Wt. Breast-milk . . . | - | - | - | - | - | 1 | - | - | - | 1 | 4 | - | - | - | 4 | - | - | - | - | - | 64 |
| Neglect . . . | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 |
| Cold . . . | - | - | 1 | - | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 |
| Poison . . . | - | - | 1 | - | 1 | - | - | - | - | - | - | - | 1 | - | 1 | - | - | - | - | - | 24 |
| Poisoned Wounds . . . | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Burns and Scalds . . . | 3 | - | 1 | - | 4 | 2 | - | - | - | 2 | 5 | - | - | - | 5 | 1 | 1 | 1 | 1 | 4 | 69 |
| Hanging, etc. . . | - | - | 2 | - | 2 | - | - | - | - | - | - | 1 | 2 | - | 3 | - | - | 1 | 1 | 2 | 24 |
| Suffocation . . . | - | - | - | - | - | 4 | - | - | - | 4 | 5 | - | - | - | 5 | - | - | - | - | - | 63 |
| Drowning . . . | - | 1 | 5 | - | 6 | - | 1 | 8 | 1 | 10 | - | 1 | 6 | - | 7 | 1 | - | 2 | 2 | 5 | 127 |
| Fractures . . . | - | 3 | 5 | 3 | 11 | 3 | 4 | 16 | 4 | 27 | 2 | 3 | 12 | 3 | 20 | 1 | 1 | 2 | - | 4 | 345 |
| Gunshot Wounds . . . | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | - | 1 | 5 |
| Cuts and Stabs . . . | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | - | 1 | 9 |
| Other Vio. Causes . . . | 1 | - | - | 1 | 2 | 1 | - | 2 | 1 | 4 | - | - | 1 | - | 1 | - | - | 2 | 1 | 3 | 50 |
| Not specified . . . | 28 | 1 | 2 | - | 31 | 75 | 13 | 12 | 1 | 101 | 3 | 2 | - | - | 5 | 2 | - | 2 | - | 4 | 499 |

| | MALE BIRTHS. | | | | | | | | | | | | Total Male Births. |
|----------------------|--------------|------|------|------|------|------|------|------|-------|------|------|------|--------------------|
| | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. | |
| Glasgow, | 795 | 727 | 852 | 898 | 821 | 891 | 817 | 777 | 766 | 772 | 699 | 777 | 9587 |
| Edinburgh, | 293 | 263 | 303 | 299 | 302 | 317 | 322 | 252 | 250 | 299 | 253 | 244 | 3400 |
| Dundee, | 197 | 183 | 203 | 193 | 225 | 225 | 186 | 187 | 178 | 183 | 170 | 181 | 2511 |
| Aberdeen, | 139 | 95 | 141 | 138 | 132 | 137 | 115 | 113 | 120 | 116 | 117 | 111 | 1464 |
| Paisley, | 71 | 76 | 80 | 77 | 93 | 82 | 69 | 82 | 74 | 73 | 64 | 63 | 904 |
| Greenock, | 97 | 96 | 93 | 106 | 114 | 120 | 112 | 94 | 94 | 99 | 105 | 108 | 1238 |
| Leith, | 82 | 83 | 71 | 75 | 74 | 83 | 69 | 70 | 71 | 83 | 70 | 75 | 906 |
| Perth, | 28 | 27 | 51 | 33 | 35 | 47 | 38 | 41 | 35 | 40 | 35 | 36 | 446 |
| Total, 1868, | 1702 | 1553 | 1794 | 1814 | 1796 | 1902 | 1728 | 1616 | 1588 | 1665 | 1513 | 1595 | 20266 |
| Total, 1867, | 1667 | 1494 | 1689 | 1866 | 1832 | 1691 | 1699 | 1578 | 1544 | 1698 | 1662 | 1619 | 20039 |
| Total, 1866, | 1692 | 1553 | 1737 | 1691 | 1796 | 1705 | 1696 | 1558 | 1522 | 1679 | 1533 | 1588 | 19750 |
| Total, 1865, | 1711 | 1544 | 1727 | 1682 | 1830 | 1790 | 1548 | 1550 | 1533 | 1614 | 1505 | 1524 | 19558 |
| Total, 1864, | 1611 | 1515 | 1614 | 1753 | 1678 | 1654 | 1475 | 1568 | 1460 | 1544 | 1491 | 1599 | 18962 |
| Total, 1863, | 1543 | 1396 | 1582 | 1690 | 1687 | 1679 | 1481 | 1458 | 1472 | 1523 | 1446 | 1604 | 18561 |
| Total, 1862, | 1561 | 1351 | 1585 | 1620 | 1688 | 1497 | 1471 | 1307 | 1329 | 1462 | 1298 | 1498 | 17667 |

| | FEMALE BIRTHS. | | | | | | | | | | | | Total Female Births. |
|----------------------|----------------|------|------|------|------|------|------|------|-------|------|------|------|----------------------|
| | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. | |
| Glasgow, | 776 | 687 | 784 | 827 | 805 | 858 | 808 | 694 | 652 | 719 | 673 | 739 | 9022 |
| Edinburgh, | 280 | 221 | 270 | 266 | 298 | 315 | 274 | 263 | 244 | 268 | 261 | 289 | 3249 |
| Dundee, | 168 | 170 | 188 | 188 | 193 | 230 | 212 | 203 | 173 | 182 | 187 | 175 | 2269 |
| Aberdeen, | 164 | 105 | 146 | 108 | 167 | 109 | 106 | 114 | 125 | 105 | 117 | 132 | 1438 |
| Paisley, | 51 | 74 | 85 | 87 | 80 | 90 | 68 | 67 | 65 | 59 | 66 | 62 | 854 |
| Greenock, | 99 | 109 | 96 | 108 | 111 | 101 | 96 | 90 | 81 | 100 | 86 | 87 | 1164 |
| Leith, | 72 | 50 | 69 | 64 | 69 | 95 | 64 | 68 | 74 | 84 | 70 | 74 | 853 |
| Perth, | 35 | 34 | 36 | 44 | 38 | 36 | 27 | 28 | 43 | 27 | 29 | 21 | 398 |
| Total, 1868, | 1645 | 1450 | 1674 | 1692 | 1701 | 1834 | 1655 | 1527 | 1457 | 1544 | 1489 | 1579 | 19247 |
| Total, 1867, | 1636 | 1499 | 1554 | 1714 | 1707 | 1583 | 1704 | 1468 | 1466 | 1667 | 1488 | 1487 | 18973 |
| Total, 1866, | 1618 | 1475 | 1635 | 1638 | 1746 | 1641 | 1495 | 1484 | 1378 | 1630 | 1477 | 1585 | 18802 |
| Total, 1865, | 1628 | 1516 | 1596 | 1588 | 1712 | 1668 | 1542 | 1485 | 1399 | 1507 | 1416 | 1460 | 18517 |
| Total, 1864, | 1496 | 1478 | 1540 | 1644 | 1659 | 1610 | 1407 | 1499 | 1386 | 1415 | 1436 | 1540 | 18110 |
| Total, 1863, | 1397 | 1348 | 1423 | 1498 | 1607 | 1658 | 1444 | 1399 | 1336 | 1461 | 1338 | 1425 | 17334 |
| Total, 1862, | 1447 | 1329 | 1512 | 1531 | 1560 | 1425 | 1489 | 1223 | 1246 | 1383 | 1197 | 1434 | 16776 |

| | BIRTHS—BOTH SEXES. | | | | | | | | | | | | Total Births. |
|----------------------|--------------------|------|------|------|------|------|------|------|-------|------|------|------|---------------|
| | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. | |
| Glasgow, | 1571 | 1414 | 1636 | 1720 | 1626 | 1749 | 1625 | 1471 | 1418 | 1491 | 1372 | 1516 | 18609 |
| Edinburgh, | 573 | 487 | 573 | 565 | 600 | 632 | 596 | 515 | 494 | 567 | 514 | 533 | 6649 |
| Dundee, | 365 | 353 | 391 | 381 | 418 | 455 | 398 | 390 | 351 | 365 | 357 | 356 | 4580 |
| Aberdeen, | 303 | 200 | 287 | 246 | 239 | 246 | 221 | 227 | 245 | 221 | 234 | 243 | 2912 |
| Paisley, | 122 | 150 | 165 | 164 | 173 | 172 | 137 | 149 | 139 | 132 | 130 | 125 | 1758 |
| Greenock, | 196 | 205 | 189 | 214 | 225 | 221 | 208 | 184 | 175 | 199 | 191 | 195 | 2402 |
| Leith, | 154 | 133 | 140 | 139 | 143 | 178 | 133 | 138 | 145 | 167 | 140 | 149 | 1759 |
| Perth, | 63 | 61 | 87 | 77 | 73 | 83 | 65 | 69 | 78 | 67 | 64 | 57 | 844 |
| Total, 1868, | 3347 | 3003 | 3468 | 3506 | 3497 | 3736 | 3383 | 3143 | 3045 | 3209 | 3002 | 3174 | 39513 |
| Total, 1867, | 3303 | 2993 | 3243 | 3580 | 3539 | 3274 | 3403 | 3046 | 3010 | 3365 | 3150 | 3106 | 39012 |
| Total, 1866, | 3310 | 3028 | 3372 | 3329 | 3542 | 3346 | 3191 | 3042 | 2900 | 3309 | 3010 | 3173 | 38552 |
| Total, 1865, | 3339 | 3060 | 3323 | 3270 | 3542 | 3458 | 3090 | 3035 | 2932 | 3121 | 2921 | 2984 | 38075 |
| Total, 1864, | 3107 | 2993 | 3154 | 3397 | 3337 | 3264 | 2882 | 3067 | 2846 | 2959 | 2927 | 3139 | 37072 |
| Total, 1863, | 2940 | 2744 | 3005 | 3188 | 3294 | 3337 | 2925 | 2857 | 2808 | 2984 | 2784 | 3029 | 35895 |
| Total, 1862, | 3008 | 2680 | 3097 | 3151 | 3248 | 2922 | 2960 | 2530 | 2575 | 2845 | 2495 | 2932 | 34448 |

ILLEGITIMATE BIRTHS IN EIGHT TOWNS—1868. 41

| | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. | Total. |
|----------------------|------|------|------|------|-----|------|------|------|-------|------|------|------|--------|
| Glasgow, | 163 | 127 | 171 | 159 | 143 | 169 | 163 | 153 | 147 | 138 | 143 | 151 | 1827 |
| Edinburgh, | 58 | 64 | 65 | 36 | 57 | 53 | 63 | 44 | 41 | 53 | 59 | 48 | 641 |
| Dundee, | 49 | 35 | 54 | 31 | 55 | 45 | 39 | 48 | 45 | 53 | 37 | 36 | 527 |
| Aberdeen, | 39 | 29 | 36 | 28 | 27 | 40 | 29 | 27 | 31 | 27 | 30 | 20 | 363 |
| Paisley, | 11 | 13 | 15 | 8 | 22 | 14 | 13 | 11 | 16 | 7 | 12 | 9 | 151 |
| Greenock, | 18 | 15 | 7 | 4 | 15 | 15 | 8 | 14 | 13 | 13 | 8 | 10 | 140 |
| Leith, | 11 | 14 | 7 | 9 | 5 | 8 | 8 | 7 | 10 | 12 | 9 | 8 | 108 |
| Perth, | 6 | 3 | 5 | 13 | 10 | 9 | 3 | 9 | 3 | 7 | 5 | 4 | 77 |
| Total, 1868, | 355 | 300 | 360 | 288 | 334 | 353 | 326 | 313 | 306 | 310 | 303 | 236 | 3834 |
| Total, 1867, | 308 | 316 | 337 | 344 | 317 | 293 | 378 | 307 | 303 | 338 | 304 | 299 | 3814 |
| Total, 1866, | 369 | 319 | 343 | 324 | 318 | 349 | 353 | 346 | 274 | 336 | 296 | 340 | 3967 |
| Total, 1865, | 332 | 282 | 311 | 314 | 340 | 359 | 311 | 308 | 268 | 278 | 297 | 294 | 3694 |
| Total, 1864, | 325 | 291 | 264 | 283 | 342 | 322 | 271 | 346 | 289 | 316 | 302 | 283 | 3634 |
| Total, 1863, | 272 | 283 | 270 | 283 | 291 | 343 | 280 | 302 | 275 | 303 | 309 | 335 | 3546 |
| Total, 1862, | 294 | 278 | 297 | 328 | 289 | 281 | 305 | 248 | 274 | 273 | 242 | 315 | 3424 |

MARRIAGES IN THE EIGHT TOWNS—1868.

| | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. | Total. |
|----------------------|------|------|------|------|-----|------|------|------|-------|------|------|------|--------|
| Glasgow, | 511 | 223 | 231 | 228 | 144 | 473 | 530 | 253 | 253 | 257 | 396 | 315 | 3814 |
| Edinburgh, | 190 | 81 | 109 | 112 | 75 | 337 | 153 | 132 | 124 | 118 | 175 | 173 | 1779 |
| Dundee, | 103 | 55 | 47 | 43 | 61 | 164 | 58 | 49 | 53 | 55 | 87 | 90 | 870 |
| Aberdeen, | 66 | 47 | 45 | 47 | 34 | 85 | 47 | 59 | 50 | 47 | 67 | 98 | 692 |
| Paisley, | 57 | 29 | 28 | 20 | 9 | 56 | 40 | 41 | 18 | 25 | 42 | 30 | 395 |
| Greenock, | 47 | 29 | 27 | 21 | 23 | 54 | 53 | 29 | 40 | 30 | 37 | 33 | 423 |
| Leith, | 50 | 18 | 27 | 21 | 16 | 66 | 46 | 38 | 21 | 30 | 32 | 46 | 411 |
| Perth, | 25 | 10 | 13 | 16 | 20 | 34 | 16 | 11 | 19 | 13 | 23 | 22 | 222 |
| Total, 1868, | 1049 | 492 | 527 | 513 | 382 | 1269 | 943 | 612 | 578 | 575 | 859 | 807 | 8606 |
| Total, 1867, | 1049 | 509 | 510 | 573 | 436 | 1219 | 1034 | 583 | 638 | 577 | 899 | 840 | 8867 |
| Total, 1866, | 1163 | 599 | 501 | 641 | 462 | 1331 | 992 | 620 | 624 | 654 | 930 | 928 | 9450 |
| Total, 1865, | 1197 | 570 | 462 | 473 | 498 | 1227 | 1094 | 649 | 603 | 656 | 945 | 946 | 9320 |
| Total, 1864, | 1082 | 523 | 468 | 576 | 465 | 1172 | 983 | 711 | 559 | 615 | 846 | 884 | 8884 |
| Total, 1863, | 995 | 492 | 506 | 544 | 407 | 1190 | 979 | 633 | 518 | 621 | 913 | 795 | 8593 |
| Total, 1862, | 899 | 431 | 484 | 443 | 369 | 1070 | 902 | 551 | 535 | 513 | 730 | 767 | 7694 |
| Total, 1861, | 834 | 417 | 441 | 523 | 397 | 1007 | 873 | 523 | 535 | 522 | 833 | 828 | 7733 |
| Total, 1860, | 820 | 462 | 406 | 470 | 388 | 1006 | 876 | 556 | 499 | 566 | 768 | 843 | 7660 |
| Total, 1859, | 811 | 413 | 426 | 400 | 369 | 1027 | 826 | 598 | 496 | 607 | 769 | 799 | 7541 |

| | MALE DEATHS. | | | | | | | | | | | | Total Male Deaths. |
|----------------------|--------------|------|------|------|------|------|------|------|-------|------|------|------|--------------------------|
| | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. | |
| Glasgow, | 610 | 532 | 622 | 623 | 554 | 537 | 601 | 610 | 490 | 585 | 626 | 645 | 7035 |
| Edinburgh, | 187 | 194 | 206 | 204 | 177 | 176 | 178 | 224 | 202 | 210 | 221 | 242 | 2421 |
| Dundee, | 102 | 132 | 126 | 123 | 136 | 102 | 134 | 109 | 87 | 99 | 112 | 151 | 1413 |
| Aberdeen, | 82 | 71 | 77 | 81 | 104 | 97 | 87 | 89 | 61 | 66 | 97 | 66 | 978 |
| Paisley, | 66 | 36 | 43 | 33 | 41 | 45 | 65 | 45 | 33 | 58 | 56 | 62 | 586 |
| Greenock, | 74 | 51 | 63 | 83 | 80 | 76 | 71 | 69 | 74 | 83 | 87 | 72 | 883 |
| Leith, | 36 | 41 | 55 | 49 | 42 | 45 | 54 | 42 | 31 | 39 | 29 | 44 | 507 |
| Perth, | 35 | 27 | 20 | 16 | 21 | 20 | 34 | 37 | 18 | 23 | 25 | 39 | 315 |
| Total, 1868, | 1192 | 1084 | 1215 | 1212 | 1155 | 1098 | 1224 | 1225 | 996 | 1163 | 1253 | 1321 | 14138 |
| Total, 1867, | 1351 | 1058 | 1209 | 1187 | 1226 | 1021 | 1072 | 909 | 990 | 993 | 1036 | 1182 | 13234 |
| Total, 1866, | 1261 | 1103 | 1301 | 1244 | 1248 | 1041 | 1095 | 982 | 905 | 1157 | 1170 | 1217 | 13724 |
| Total, 1865, | 1399 | 1388 | 1305 | 1110 | 1174 | 1068 | 1238 | 1084 | 956 | 1124 | 1307 | 1099 | 14252 |
| Total, 1864, | 1343 | 1373 | 1479 | 1222 | 1134 | 1135 | 1058 | 1147 | 984 | 1057 | 1122 | 1240 | 14494 |
| Total, 1863, | 1183 | 1072 | 1210 | 1163 | 1066 | 1101 | 1062 | 1087 | 1001 | 1039 | 1258 | 1362 | 13604 |
| Total, 1862, | 1292 | 1016 | 1158 | 1130 | 1043 | 953 | 880 | 794 | 870 | 895 | 1082 | 1182 | 12295 |

| | FEMALE DEATHS. | | | | | | | | | | | | Total Female Deaths. |
|----------------------|----------------|------|------|------|------|------|------|------|-------|------|------|------|----------------------------|
| | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. | |
| Glasgow, | 587 | 526 | 573 | 504 | 522 | 555 | 581 | 545 | 515 | 597 | 601 | 684 | 6790 |
| Edinburgh, | 226 | 192 | 229 | 166 | 159 | 172 | 164 | 192 | 217 | 204 | 217 | 221 | 2359 |
| Dundee, | 131 | 117 | 137 | 124 | 121 | 128 | 125 | 140 | 105 | 88 | 124 | 166 | 1506 |
| Aberdeen, | 96 | 86 | 93 | 81 | 92 | 99 | 82 | 88 | 68 | 68 | 98 | 98 | 1049 |
| Paisley, | 66 | 58 | 41 | 50 | 51 | 42 | 61 | 68 | 41 | 49 | 55 | 53 | 635 |
| Greenock, | 65 | 43 | 58 | 63 | 76 | 60 | 58 | 70 | 64 | 73 | 71 | 74 | 775 |
| Leith, | 26 | 35 | 37 | 28 | 43 | 52 | 39 | 51 | 36 | 38 | 31 | 52 | 468 |
| Perth, | 34 | 29 | 26 | 20 | 29 | 26 | 24 | 25 | 23 | 18 | 24 | 33 | 311 |
| Total, 1868, | 1231 | 1086 | 1194 | 1036 | 1093 | 1134 | 1134 | 1179 | 1069 | 1135 | 1221 | 1381 | 13893 |
| Total, 1867, | 1471 | 1140 | 1228 | 1160 | 1185 | 968 | 1082 | 946 | 911 | 976 | 1013 | 1197 | 13277 |
| Total, 1866, | 1267 | 1075 | 1323 | 1222 | 1270 | 1064 | 978 | 978 | 882 | 1140 | 1257 | 1268 | 13724 |
| Total, 1865, | 1413 | 1449 | 1288 | 1126 | 1137 | 1070 | 1182 | 1163 | 897 | 1109 | 1250 | 1163 | 14247 |
| Total, 1864, | 1608 | 1457 | 1436 | 1233 | 1099 | 1100 | 1049 | 1072 | 982 | 995 | 1132 | 1171 | 14934 |
| Total, 1863, | 1183 | 1114 | 1235 | 1010 | 1075 | 1104 | 1029 | 1070 | 964 | 1133 | 1192 | 1317 | 13426 |
| Total, 1862, | 1453 | 1084 | 1218 | 1109 | 1070 | 972 | 900 | 764 | 884 | 982 | 1020 | 1214 | 12670 |

| | DEATHS—BOTH SEXES. | | | | | | | | | | | | Total Deaths. |
|----------------------|--------------------|------|------|------|------|------|------|------|-------|------|------|------|------------------|
| | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. | |
| Glasgow, | 1197 | 1058 | 1195 | 1127 | 1076 | 1092 | 1182 | 1155 | 1005 | 1182 | 1227 | 1329 | 13825 |
| Edinburgh, | 413 | 386 | 435 | 370 | 336 | 348 | 342 | 416 | 419 | 414 | 438 | 463 | 4780 |
| Dundee, | 233 | 249 | 263 | 247 | 257 | 230 | 259 | 249 | 192 | 187 | 236 | 317 | 2919 |
| Aberdeen, | 178 | 157 | 170 | 162 | 196 | 196 | 169 | 177 | 129 | 134 | 195 | 164 | 2027 |
| Paisley, | 132 | 94 | 87 | 83 | 92 | 87 | 126 | 113 | 74 | 107 | 111 | 115 | 1221 |
| Greenock, | 139 | 94 | 121 | 146 | 156 | 136 | 129 | 139 | 138 | 156 | 158 | 146 | 1658 |
| Leith, | 62 | 76 | 92 | 77 | 85 | 97 | 93 | 93 | 67 | 77 | 60 | 96 | 975 |
| Perth, | 69 | 53 | 46 | 36 | 50 | 46 | 58 | 62 | 41 | 41 | 49 | 72 | 626 |
| Total, 1868, | 2423 | 2170 | 2409 | 2248 | 2248 | 2232 | 2358 | 2404 | 2065 | 2298 | 2474 | 2702 | 28031 |
| Total, 1867, | 2822 | 2198 | 2437 | 2347 | 2411 | 1989 | 2154 | 1855 | 1901 | 1969 | 2049 | 2379 | 26511 |
| Total, 1866, | 2528 | 2178 | 2624 | 2466 | 2518 | 2105 | 2073 | 1960 | 1787 | 2297 | 2427 | 2485 | 27448 |
| Total, 1865, | 2812 | 2837 | 2593 | 2236 | 2311 | 2138 | 2420 | 2247 | 1853 | 2233 | 2557 | 2262 | 28499 |
| Total, 1864, | 3151 | 2830 | 2915 | 2455 | 2233 | 2235 | 2107 | 2219 | 1966 | 2052 | 2254 | 2411 | 28828 |
| Total, 1863, | 2366 | 2186 | 2445 | 2173 | 2141 | 2205 | 2091 | 2157 | 1965 | 2172 | 2450 | 2679 | 27030 |
| Total, 1862, | 2745 | 2100 | 2376 | 2239 | 2113 | 1925 | 1780 | 1558 | 1754 | 1877 | 2102 | 2396 | 24965 |

ABSTRACT of the METEOROLOGY of the Eight Principal Towns of Scotland during the several Months of the Year 1868.

Mean height above the Sea-level, 124 feet. Mean North Latitude, 56°12'. Mean West Longitude, 3°30'.

| 1868. | BAROMETER. | | SELF-REGISTERING THERMOMETER. Mean of the Six Towns. | | | | | | HYGROMETER. | | DEDUCTIONS from Glaisher's Tables, 2nd Edit. | | | | RAIN. | | WINDS. | | | | | | | | | Pressure on square foot. |
|------------------|----------------------------|----------------|---|------------------|-------------------|----------------|-------------------|-----------------------|---------------------------------|------------------------------------|---|--------------------------|-------------------------------------|---------------------|-------------------------|---------|---|----|----|----|----|----|----|----|-------------------|--------------------------|
| | Mean at 32° and Sea-level. | Monthly Range. | Highest in Month. | Lowest in Month. | Mean Temperature. | Monthly Range. | Mean Daily Range. | Greatest Daily Range. | Dry Bulb, or Mean Temp. of Air. | Wet Bulb, or Temp. of Evaporation. | Dew-point Temperature. | Elastic Force of Vapour. | Wt. of Vapour in Cubic Foot of Air. | Humidity. Sat. 100. | Number of Days it fell. | Amount. | Number of Days it blew in certain Directions. | | | | | | | | | |
| | | | | | | | | | | | | | | | | | N | NE | E | SE | S | SW | W | NW | Calm or Variable. | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | |
| JANUARY, . . . | 29.763 | 1.954 | 53.8 | 23.9 | 38.9 | 40.0 | 9.5 | 19.2 | 38.6 | 37.1 | 35.0 | .204 | 2.36 | 88 | 18 | 6.73 | 3 | 2 | 5 | 1 | 3 | 6 | 7 | 2 | 2 | 2.05 |
| FEBRUARY, . . . | 29.841 | 1.906 | 55.9 | 30.0 | 42.9 | 25.9 | 9.2 | 17.2 | 42.3 | 40.0 | 37.3 | .223 | 2.59 | 83 | 21 | 4.53 | 1 | 0 | 0 | 1 | 3 | 10 | 11 | 3 | 0 | 3.57 |
| MARCH, . . . | 29.780 | 1.799 | 58.6 | 29.2 | 44.2 | 29.4 | 11.7 | 21.8 | 43.4 | 41.1 | 38.3 | .234 | 2.71 | 82 | 18 | 3.98 | 2 | 0 | 0 | 0 | 4 | 8 | 12 | 3 | 2 | 2.00 |
| APRIL, . . . | 29.872 | 1.583 | 62.2 | 31.1 | 46.8 | 31.1 | 12.4 | 21.6 | 46.4 | 43.5 | 40.3 | .251 | 2.89 | 80 | 17 | 3.25 | 2 | 2 | 4 | 0 | 4 | 6 | 6 | 2 | 4 | 1.84 |
| MAY, . . . | 29.897 | 1.092 | 69.7 | 32.3 | 52.6 | 37.4 | 14.7 | 24.6 | 52.2 | 48.7 | 45.3 | .303 | 3.44 | 73 | 15 | 2.27 | 1 | 1 | 3 | 2 | 6 | 8 | 7 | 1 | 2 | 1.41 |
| JUNE, . . . | 30.060 | 0.849 | 75.7 | 40.8 | 56.8 | 34.9 | 15.8 | 29.0 | 55.8 | 51.9 | 48.1 | .339 | 3.77 | 75 | 11 | 1.00 | 0 | 1 | 2 | 2 | 3 | 6 | 12 | 2 | 2 | 1.50 |
| JULY, . . . | 30.062 | 1.037 | 83.3 | 46.3 | 61.0 | 37.0 | 17.2 | 29.6 | 60.2 | 56.6 | 53.1 | .408 | 4.57 | 78 | 8 | 0.54 | 2 | 1 | 7 | 2 | 3 | 4 | 9 | 2 | 1 | 0.84 |
| AUGUST, . . . | 29.827 | 0.973 | 83.7 | 46.7 | 59.3 | 37.0 | 13.2 | 26.3 | 59.0 | 55.7 | 52.8 | .400 | 4.46 | 80 | 16 | 5.33 | 1 | 1 | 5 | 2 | 3 | 5 | 9 | 2 | 3 | 1.42 |
| SEPTEMBER, . . . | 29.926 | 1.503 | 77.7 | 38.3 | 54.1 | 39.3 | 12.6 | 24.8 | 53.5 | 51.1 | 48.9 | .345 | 3.89 | 84 | 15 | 3.26 | 3 | 4 | 8 | 2 | 2 | 2 | 4 | 3 | 2 | 1.48 |
| OCTOBER, . . . | 29.805 | 0.971 | 59.8 | 30.2 | 45.6 | 29.6 | 12.0 | 18.9 | 45.0 | 43.0 | 40.7 | .255 | 2.93 | 85 | 16 | 3.57 | 1 | 0 | 2 | 1 | 3 | 8 | 12 | 3 | 1 | 1.60 |
| NOVEMBER, . . . | 29.983 | 1.782 | 58.9 | 25.7 | 39.6 | 33.2 | 9.0 | 17.3 | 39.2 | 37.5 | 35.2 | .206 | 2.38 | 86 | 14 | 2.80 | 3 | 3 | 5 | 3 | 2 | 3 | 5 | 4 | 2 | 1.40 |
| DECEMBER, . . . | 29.343 | 1.754 | 55.3 | 26.6 | 41.1 | 28.7 | 8.5 | 20.2 | 41.2 | 39.9 | 38.1 | .230 | 2.66 | 89 | 19 | 6.59 | 2 | 2 | 4 | 3 | 6 | 6 | 5 | 2 | 1 | 1.87 |
| YEAR, . . . | 29.846 | 1.433 | 83.7 | 23.9 | 48.6 | 33.6 | 12.1 | 29.6 | 48.1 | 45.5 | 42.8 | .283 | 3.22 | 82 | 188 | 43.85 | 21 | 17 | 45 | 19 | 42 | 72 | 99 | 29 | 22 | 1.75 |

The absolute highest temperature, viz. 87°7, was noted at Edinburgh in August; and the absolute lowest, viz. 18°0, at Perth in January.

NOTE.—The figures under each month are the mean results from the eight Stations, as published in the Monthly Returns.

APPENDIX.

EXTRACTS FROM THE REGISTRARS' NOTES RELATIVE TO THE WORKING OF THE VACCINATION ACT.

I. NORTHERN DIVISION.

1. SHETLAND.

3. (2.) SANDWICK AND CUNNINGSBURGH.—Of the 62 children born in 1867, there are six, the parents of whom have not yet sent in certificates of vaccination, notwithstanding the frequent notices that have been sent. The district is wide, and far from where the vaccinator resides, and consequently much trouble is given to the Registrar, the remuneration for which is very small.

4. (1.) FETLAR.—Parents generally complain on account of having to go to a distant island to get their children vaccinated. It is only during the summer months that this can be done with safety, and at that season nearly all the males who have arrived at manhood are either absent, or engaged at the deep-sea fishing. Women alone cannot manage boats (that being the only means of communication), to cross such broad sounds as intervene. These sounds are at all times dangerous from the strength of the tidal currents, and the difficulties and dangers are greatly enhanced on account of the numerous cross settings of these currents. This complicated and protracted travelling often proves prejudicial to the health of nurses, as well as of children. Besides, it involves a good deal of expense on the parents, who are in many instances very poor. The present rate of fees for the Registrar's remuneration in connection with vaccination is quite inadequate for the amount of trouble in discharging this part of his duties.

7. (3.) WHALSAY AND SKERRIES.—The requirements of the Vaccination Act have, as far as possible, been pointedly attended to. The people are more willing to comply now than they were at the commencement of the Act.

12. (3.) PAPA-STOUR.—The Vaccination Act, with its cumbrous machinery, does not work well in a remote district like Papa-Stour. The regular vaccinator resides about 40 miles distant, hence his visits are few and far between. Some parties who paid him for vaccinating their children several months ago have not yet obtained their certificates, consequently the vaccination, though successful, cannot be recorded; others, unable to pay, could not have certificates. Two things are necessary to make the Act work well here:—First, That the vaccinator reside in the parish, and visit us twice in the year. Second, That the Parochial Board assess the parish for

the money necessary, and pay the vaccinator in the same way as the Registrars are paid, when vaccination would go on without murmur or delay.

2. ORKNEY.

15. EDAY AND PHARAY.—My opinion is most decided, that in island districts, without a resident qualified doctor, some other competent person residing in the place should be empowered to vaccinate in such place.

17. FIRTH AND STENNIS.—The Vaccination Act works smoothly in this parish, but causes the Registrar considerable labour. The remuneration falls far short of the amount of labour.

27. SANDWICK.—The vaccination of this parish was probably as complete as that of any parish in Britain before the passing of the Vaccination Act. The clergyman, who is a L.R.C.S.E., invited all to come and have their children vaccinated gratis, yet a few cases were discovered where parents neglected their duty. However, there has been no case of small-pox amongst natives of this parish, either at home or abroad, since 1826, when this system was begun. The formalities of the present Act are found troublesome to the vaccinator, and it would work more pleasantly if the fees were paid by the Parochial Board, as many think was intended by the Act.

29. SOUTH RONALDSBAY.—The people seem willing to vaccinate their children, and Dr. Gordon, our vaccinator, is most successful in the operation, as he always keeps matter for the purpose, which is good and fresh.

30. STROMNESS.—The work is easily executed when all parties do their part at the proper time. I have not had a single case of postponement.

4. SUTHERLAND.

45. CLYNE.—The Vaccination Act works most successfully here.

46. (1.) BONAR.—The people in general are now beginning to be a little more punctual in getting their children vaccinated at the proper time. Still, however, there is yet too great a tendency with many of them to prolong it till the end of the sixth month.

47. DORNOCH.—Vaccination well attended to, though there is no resident doctor in the district. The miserable remuneration allowed to the Registrar is the only complaint I have to make against the Act.

II.—NORTH-WESTERN DIVISION.

5. ROSS AND CROMARTY.

Mainland.

63. EDDERTON.—There are no outstanding cases.

66. (1.) NORTHERN DISTRICT OF GAIRLOCH.—The residence of the vaccinator for the district being from 12 to 18 miles distant, he visits the district only three or four times in a year, according to circumstances, which accounts for the 10 marked in column 7 of the Return.

75. (1.) LOCHBROOM.—Vaccination matters are being better attended to now than formerly. Much depends upon the medical gentlemen; when they are agreeable and obliging, vaccination is generally punctually performed, and we have now the good fortune to have such an officer.

75. (2.) COIGACH.—The Act works pretty well here now, considering the various difficulties with which poor parents and all concerned have to contend in carrying out the statutory provisions in such an outlying district as this. Upon central and convenient stations, and stated periods of attendance being fixed, I have no hesitation in saying that the people could be brought to do their duty readily and punctually, notwithstanding their slowness to believe the benefits of the Act, and their reluctance to pay the vaccinator's fee of 2s. 6d.

Insular.

88. STORNOWAY.—Vaccinators are most attentive to their duties, and parents and guardians, in general, are giving greater attention to the requirements of the Act than in former years.

6. INVERNESS.

Mainland.

92. (2.) FORT-AUGUSTUS OR ABERTARFF.—Generally speaking, the Act works very fairly.

100. KILMORACK.—The vaccination of the children, on the whole, is well attended to.

104. LAGGAN.—All the children born in this parish since the Act came into operation have been successfully vaccinated, excepting those who died before vaccination.

Insular.

118. (1.) BENBECULA.—No certificates have been received as yet for 3 of the 42 registered in 1867, but the people are paying more attention to the Act than they have done in former years.

III.—NORTH-EASTERN DIVISION.

7. NAIRN.

121. AULDEARN.—The schedules have, with one or two exceptions, been transmitted to me in due time.

122. CAWDOR.—The registration of vaccination causes more trouble than that of the births, in a great many cases.

8. ELGIN (OR MORAY).

134. EDINKILLIE.—Vaccination is very regularly attended to. There have been no prosecutions under the Act since it came into operation.

139. KNOCKANDO.—Parents complain loudly of the inconvenience they are subjected to, and the distance they have often to travel to get their children vaccinated, through the want of a resident medical practitioner, and it is not without considerable difficulty that we are able

to present a clean bill of vaccinations at the year's end.

9. BANFF.

148. BOTRIPHNE.—I consider that the Act works well; at least I have no great trouble in this landward parish.

151. DESKFOED.—The two cases in column 7 are cases of removal; no traces of the parents can be got.

157. (1.) INVERAVON.—No circumstance worthy of record, save and except the palpable fact, that the Registrar is most inadequately remunerated for the duties he performs in connection with the Vaccination Act.

160. (1.) KIRKMICHAEL.—The operation of this Act still continues to be productive of endless trouble to the Registrar, for which his remuneration still continues to be as nearly as possible nothing.

160. (2.) TOMINTOUL.—The remarks of last year are still applicable. A great many require notices at the expiration of six months.

165. ROTHIEHAV.—No case of small-pox has occurred during the past four years,—a circumstance unparalleled in the recollection of the Registrar during the prior forty years. The Registrar has noticed, with the greatest satisfaction, the uniform care and fidelity with which the appointed vaccinator has discharged his duties.

10. ABERDEEN.

182. COULL.—The Act has worked well. The whole of the children have been vaccinated. The one returned under column 5 was vaccinated by an unprofessional person. The parents lived at a distance from any doctor, but had taken the child twice to a doctor without the virus taking effect. Being unwilling to take out the child again, the operation was performed by some one near them.

183. CRATHIE AND BRAEMAR.—The Act has wrought very well. No postponements, and no defaulters.

186. CULSAMOND.—The Vaccination Act has of late become more troublesome than the Registration.

204. INVERURIE.—The certificates, with one or two exceptions, have been lodged in time. The only difficulty arises in the case of vagrants, hawkers, etc., and of children dying in other parishes, no intimation being sent of the death.

210. KING-EDWARD.—In general the statute operates well, with the exception of the time given for vaccination and the terms of section 17.

222. (a.) MIDMAR.—Vaccination is carefully attended to. The only drawback which seems to exist is, that the vaccinator takes the operation in hand, but fails to attend until the six months are ended, and the Registrar's notice requires to be sent to the parents.

230. OYNE.—Vaccination generally well attended to; a few require the statutory notice sent to remind them.

233. PITSLIGO.—I do not find that the Act works well. I rarely get a vaccination certificate of any sort, without sending notice to the parents; and when this is done, in a great number of cases it is Schedule B that is returned—often twice. I am unable to assign any reason for this, as the parish is always in a very healthy condition. Since the 1st January 1867, I have recorded 46 postponed vaccinations, 24 being for the year 1867, and 22 for 1868. The number of entries of births in these years were respectively 75 and 81. I am convinced that, if the time allowed for having the vaccination performed

were reduced to *three* months, the evil I complain of would be lessened.

241. **STRICHEN.**—The Act is found to work very well, the only difficulty experienced being in the case of itinerants.

243. **TARVES.**—The Act works very well. Of the 87 births for 1867, five died before vaccination; the remaining 82 were all successfully vaccinated. There were only two cases of postponement, and these were both for the first time only.

11. KINCARDINE.

257. **FETTERCAIRN.**—The Act works pretty well; but as neither vaccinators, nor registrars, and especially the latter, are half paid for such responsible duties, it is unreasonable to expect from them anything beyond the barest possible compliance with its provisions.

IV.—EAST MIDLAND DIVISION.

12. FORFAR.

274. **BARRY.**—The operation of the Act has been beneficial to the public health.

282. (1.) **FIRST DISTRICT OF DUNDEE.**—Considering the large extent of the district, and the character of a portion of the population, the Registrar is of opinion that the provisions of the Act have been particularly well fulfilled. The children not accounted for belong entirely to the lower classes.

294. **KETTINS.**—One of the two who left the parish went to London. The other died a few days after leaving the parish.

296. **KINNELL.**—Vaccination carefully attended to.

310. **MONIFIETH.**—Sixteen died previous to vaccination. All the rest have been successfully vaccinated.

319. **ST. VIGEANS.**—The Act continues to work satisfactorily and successfully.

13. PERTH.

376. **LOGIERAIT.**—The Act may be said to work well. The only case not attended to for 1867 was the child of a hawker, who did not belong to the parish.

384. **MOULIN.**—The provisions of the Act were most successfully carried out in 1867.

387. **PERTH.**—The number in col. 7 is greater than in last return, the Registrar having been unable as yet to trace them.

389. **RATTRAY.**—Under the column "Died before Vaccination," the proportion is high, namely, one in every 12 of the births registered. In 1866 it was one in 21, in 1865 one in 12, and in 1864 one in 30, thus showing a high rate of mortality among children every alternate year. The two "removed from the parish" are children of hawkers, who travel about the country.

390. **REDGORTON.**—Not many parishes, in my opinion, can furnish so complete a return,—every subject of entry successfully vaccinated.

394. (b.) **STRATHFILLAN.**—The parents are now desirous to get their children vaccinated within the time specified.

14. FIFE.

414. **CARVOCK.**—The stoppage of the Forth Iron Co.'s works in the parish caused an emigration of the inhabitants, hence the comparatively large number in col. 7.

426. **DYSART.**—Of the 307 children whose births were registered in 1867, 282 were successfully vaccinated, as per certificates. The remaining 25 died before vaccination. No defaulters.

442. **KIRKCALDY.**—The Act is now working satisfactorily.

KINROSS.

461. **FOSSEWAY.**—The Act is very well attended to. There is still one postponement for 1866, not, of course, included in the present return. The cause, I believe, is some eruption on the head.

V.—WEST MIDLAND DIVISION.

17. STIRLING.

479. **FALKIRK.**—The Vaccination Act has worked very successfully. But the remuneration should be double, either by the addition of 3d. to the statutory allowance, or by an equivalent from the Parochial Board or Town Council. The general feeling of Registrars is that expressed above.

490. **STIRLING.**—The Act is still working well.

19. ARGYLL.

504. **ARDCHATTAN.**—Although sometimes late in being performed, vaccination is well attended to here. As yet it has been omitted by none, and parents who have left the parish have returned certificates of successful vaccination.

505. (1.) **ANARACLE.**—Vaccination well attended to in this district.

505. (2.) **ARISAIG.**—The Act is much better attended to now than it has been, but in a great many instances notices have still to be sent, in some cases more than once, and for all this extra trouble the Registrar has absolutely nothing.

505. (3.) **STRONTIAN.**—The Act has wrought very well. No special circumstance to mention.

513. **INVERARAY.**—The requirements of the Act better attended to than at first.

516. (2.) **KILBERRY.**—It is not without trouble, both on the part of the people and also on that of the vaccinator, that the vaccination is accomplished; much of the trouble, however, arises from the parties being at a distance from where the vaccinator resides.

535. **TARBERT.**—The Act is working very well, only the Registrar must send notices to some defaulters before the certified schedules are returned.

Insular.

551. (1.) **TYREE.**—The Act was never rigidly enforced in this district, and consequently the people by degrees became more careless, so that now the defaulter's notice is no longer any terror to them; 27 of these were issued within the last six months, and only four returned any certificate within the 10 days. I say it is most provoking to be compelled to do all this gratuitously, and as the Parochial Board is not inclined to enforce the 25th section of the Act, I will not finger a penny for my trouble. I am afraid that the list I supplied the board with last October has either been ordered "to lie on the table," or "to be read that day six months," as I did not hear any more about it. Matters are come to such a pass, that only one certificate of any kind was returned to me for over the last three months, and unless something is done, the Act will, to all intents, become a dead letter here. An Amendment Act is loudly called for. Vae-

cination being as much for the public as for individual good, vaccinators ought to be paid out of a public rate, and defaulters ought to be proceeded against on the complaint of the Registrar.

551. (2.) COLL.—The Registrar has sometimes great difficulty in getting in the schedules within the statutory period, chiefly owing to the vaccinator residing in the island of Tyree, between which and this parish there is a very dangerous ferry, which is for many weeks (especially in winter) impassable.

20. BUTE.

552. CUMBRAES.—The Act has been very well complied with here. The Registrar has had in a good many cases to send notices, but all were promptly forward when they saw the penalty of £1, 1s. looming in the distance.

554. KILMORY.—The high fee charged for vaccination seems to be the only impediment in the way of having it expeditiously and cheerfully attended to.

VI. SOUTH-WESTERN DIVISION.

21. RENFREW.

565. HOUSTON AND KILLELLAN.—There has been very great difficulty this year in procuring the certificates, in consequence of the shifting of the population engaged in railway making.

572. (2.) NEILSTON (BARRHEAD).—Vaccination is well attended to in this district.

22. Ayr.

586. DALMELLINGTON.—The miners frequently remove to other places, and leave no address, consequently many of my notices are returned through the Dead Letter Office. With this exception, I find no difficulty in the working of the Act.

597. KILMARNOCK.—The Vaccination Act still works well, as only seven out of 597 births in 1867 remain unaccounted for; but it requires much attention on the part of the Registrar.

613. SORN.—During the year 1867, penalty notices sent to defaulters still amount to 18½ per cent.

616. STEWARTON.—Notices have still to be issued to a considerable number of delinquents. From carelessness, some of these put off till warned, and others from inability or aversion to pay the vaccination fee. The dates of the certificates show, that in several cases it has been detained by the medical practitioner in consequence of the fee not being paid. Still, with the exception of the class who require notices, and sometimes what may be called dunning, the Act works very well. Registrars wish, if possible, to avoid prosecution of delinquents.

23. LANARK.

622. (3.) SHETTLESTON (BARONY).—The Vaccination Act continues to work very well, but I think the time allowed for vaccination too long for a district such as this. Miners never stay long in one place, and it is very difficult to trace them to obtain the schedule. I find a great many depend upon receiving a letter reminding them, and are sure to produce a schedule within 10 days and save the 1s., or if the time has expired, send it by post, without enclosing the fee, or even a stamp on the envelope.

626. (a.) (2.) CADDY (EASTERN DISTRICT).—Considering the migratory nature of the population, the Vaccination Act has wrought remarkably well.

626. (b.) CALDERHEAD.—From the migratory habits of the mining population, it is very difficult to get the vaccination certificates within the statutory time. In consequence of this, considerable trouble and expense are frequently incurred. It would be very desirable either to have the vaccination performed within a shorter period after the birth, or a more summary method of procedure with the defaulters. The remuneration to the Registrar is far too inadequate for the duties imposed upon him. The Vaccination Schedule II. has to be filled up, verbal instructions given to the informant of the birth, many "notices of failure" filled up and transmitted, and the return entered into the books, and the whole for 3d.

644. (3.) GLASGOW (BRIDGETON).—In this district vaccination has been very well attended to; the fact that only 62 out of the 2170 children born here removed from the district, and cannot be accounted for, being a sufficient proof of this. If it were imperative upon Registrars to send notice of the death of a child which had not been vaccinated, and was born in another district, to the Registrar of the district of its birth, I believe that the number of those unaccounted for would be far less. This is the practice of the Glasgow Registrars, and it works well. But when a child is removed from the city, and dies before vaccination, we hear nothing of the event. Hence the return is defective with respect to the number that die before vaccination. There have been no deaths from small-pox during the year, and I have heard of very few cases of the disease in this district. The medical practitioners here have been most anxious to secure vaccination to all children, and I believe many of them vaccinate without being paid.

651. (1.) AIRDRIE (NEW MONKLAND).—For some time after the introduction of the Act, many of the miners expressed their dissatisfaction at being put to the trouble and expense of vaccinating their children. This feeling has entirely disappeared, and the Act works most favourably.

652. (3.) EASTERN DISTRICT (OLD MONKLAND).—The number of infantile deaths previous to vaccination (27) is greatly in excess of former years. There are no postponements, and the eight removals are principally to be attributed to the dulness of the iron trade.

656. STONEHOUSE.—Vaccination is well attended to.

VII.—SOUTH-EASTERN DIVISION.

25. EDINBURGH.

685. (1.) EDINBURGH (ST. GEORGE).—The Vaccination Act continues to work well, with one or two exceptions, chiefly in regard to postponed certificates. A certificate of insusceptibility has frequently been sent me (without any qualifying clause) and in a short time afterwards one of successful vaccination, showing that the medical practitioners understood them to mean temporarily insusceptible. The time to which they can be postponed is also frequently misunderstood. I often get them postponing it for three months, and one received lately postponed it for six months. If the certificates were worded, "I do hereby postpone the vaccination for a period not exceeding two months from the date of this certificate," the difficulty would be avoided. I have some trouble in getting these certificates renewed, and have to write the parents in almost every case at the expiry of the two months.

Delay is frequently caused by the medical man, after having successfully vaccinated the child, detaining the certificate as a means of compelling the payment of his account.

701. WEST CALDER.—The one case of "vaccination postponed" has been postponed five times.

26. HADDINGTON.

704. BOLTON.—The Vaccination Act gives not the slightest trouble in this parish.

710. HUMBLE.—Vaccination well attended to, both by parents and vaccinator.

27. BERWICK.

727. AYTON.—The Registrar is much satisfied with the working of the Act in this district, as he has never experienced the slightest difficulty in getting the statute complied with.

730. CHIRNSIDE.—The Vaccination Act continues to work well.

732. COLDINGHAM.—Of the 109 children born, 103 were successfully vaccinated, and six died before vaccination. In nine cases I had to issue notices to parties who had failed to give in their schedules within the statutory period of six months. In every case, however, the schedule was produced within 10 days of the despatch of such notice. The parents seem to trust the matter very much to the medical man, and it would appear that it is to forgetfulness on his part that the schedules are not duly received. Generally the Act works well.

739. EYEMOUTH.—During the year, 30 notices pursuant to section 17 were sent to parents, being the greatest number for any year since the Act came into operation. The remuneration of the Registrar is too small.

740. FOGO.—The Vaccination Act has worked very well. Every year the schedules are coming in more regularly, the Registrar having very seldom occasion to issue statutory notices to defaulters.

28. PEEBLES.

762. INNERLEITHEN.—The present system of requiring postponements to be renewed every two months is very troublesome, and seems to need alteration. Of 6 outstanding postponements, one of them is entered as a third, 4 as sixth, and one as a twelfth postponement. Medical practitioners should have power to grant certificates, either postponing the vaccina-

tion for a much longer period, or relieving parents of further obligation.*

771. TRAQUAIR.—The vaccination certificates have been very well attended to.

VIII.—SOUTHERN DIVISION.

30. ROXBURGH.

783. BOWDEN.—The Act continues to work well, and the certificates in almost every case are forwarded to the Registrar within the prescribed time.

811. YETHOLM.—A medical man being located in the parish, the Act is well attended to, and the schedules come in within the specified time.

31. DUMFRIES.

822. DUNSCORE.—The operation of the Vaccination Act is now better understood, and no difficulty has occurred in practically carrying out its provisions.

844. MOUSWALD.—Vaccination is carefully attended to, though the poor complain of the fees charged by the medical men.

32. KIRKCUDBRIGHT.

860. CARSPHAIN.—There has been only one case of a defaulter since the Vaccination Act came into operation.

862. CORSOCK BRIDGE.—The Vaccination Act works well. No defaulters.

863. CROSSMICHAEL.—Vaccination has been exceedingly well attended to; but great complaints are made for having to carry infants twice to the vaccinator before the necessary certificate is obtained. And the payment of the very moderate fee is often very severely felt.

871. KIRKCUDBRIGHT.—Parents, in many cases, are still dilatory in sending in the vaccination certificates, thus requiring notices sent them.

33. WIGTOWN.

887. KIRKCOLM.—Vaccination goes on very smoothly in this parish, owing, in a great measure, to the Parochial Board paying the public vaccinator £10 of salary per annum. The medical officer, therefore, vaccinates the children of the working classes gratuitously.

* By section 10 of Act, the medical practitioner may give a certificate that the child is unsuspceptible of the vaccine disease after three successive vaccinations have failed.